

FIG. 1a
(PRIOR ART)

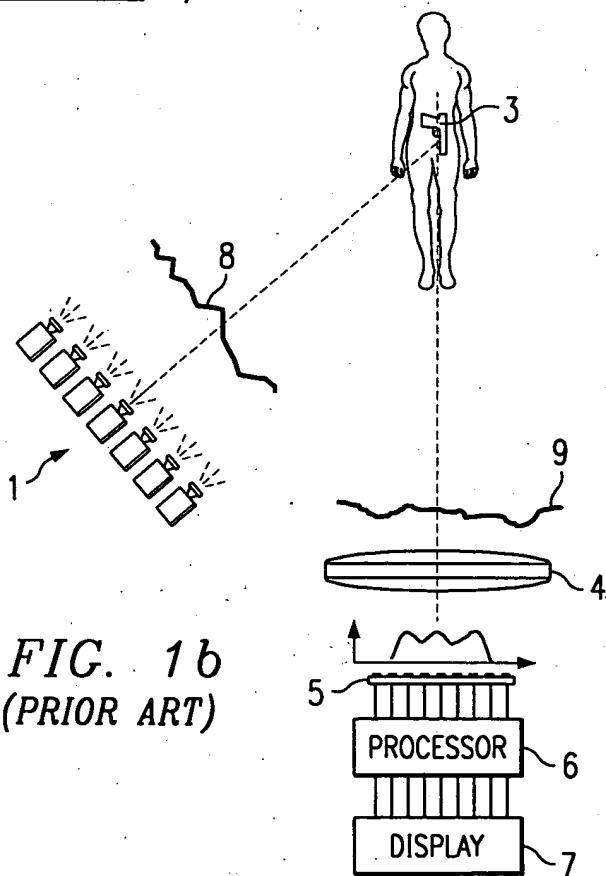
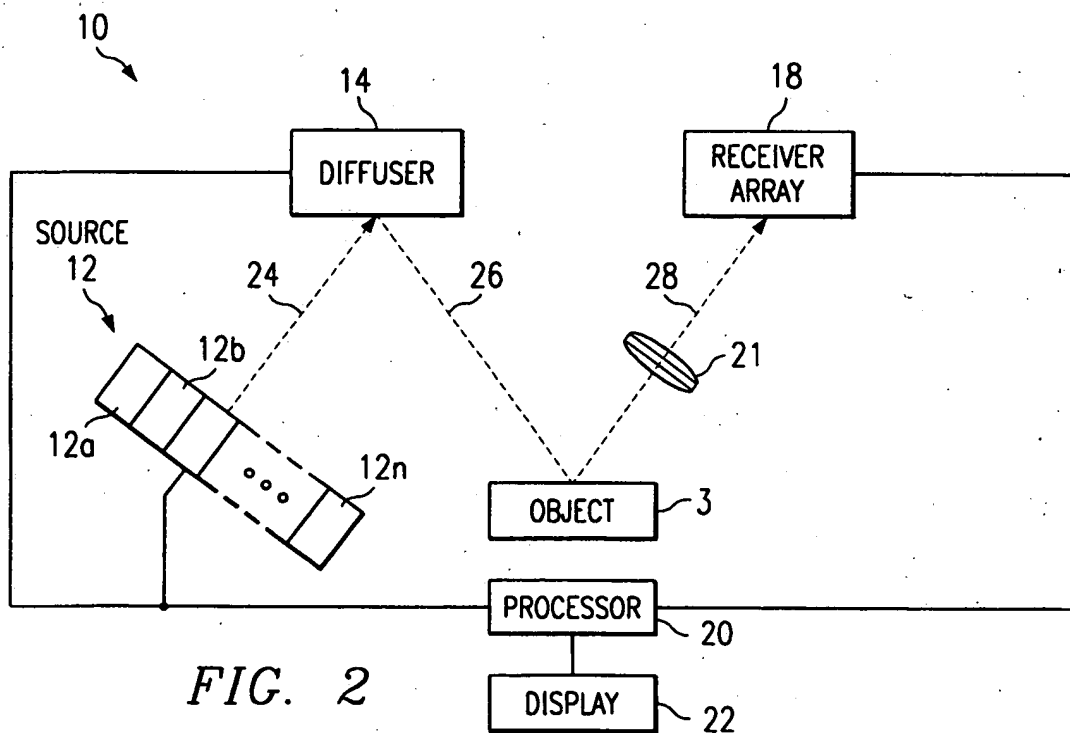
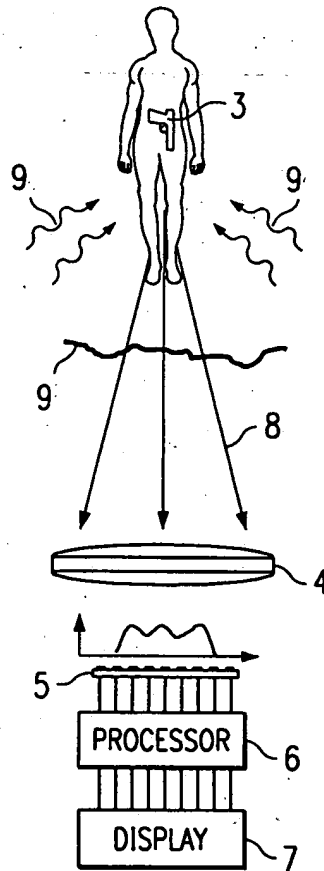


FIG. 1b
(PRIOR ART)

2/48

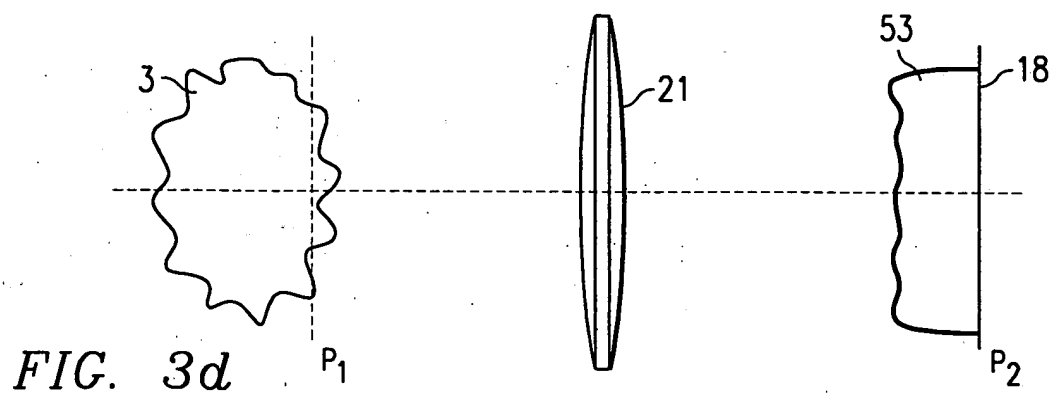
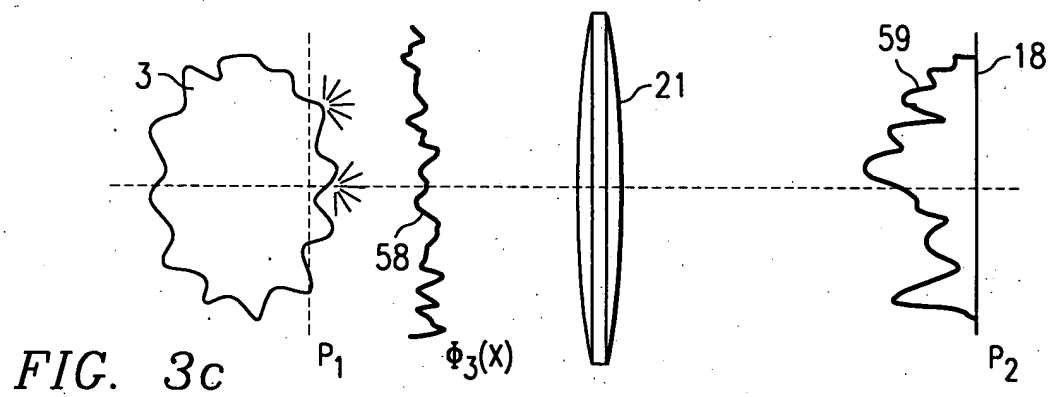
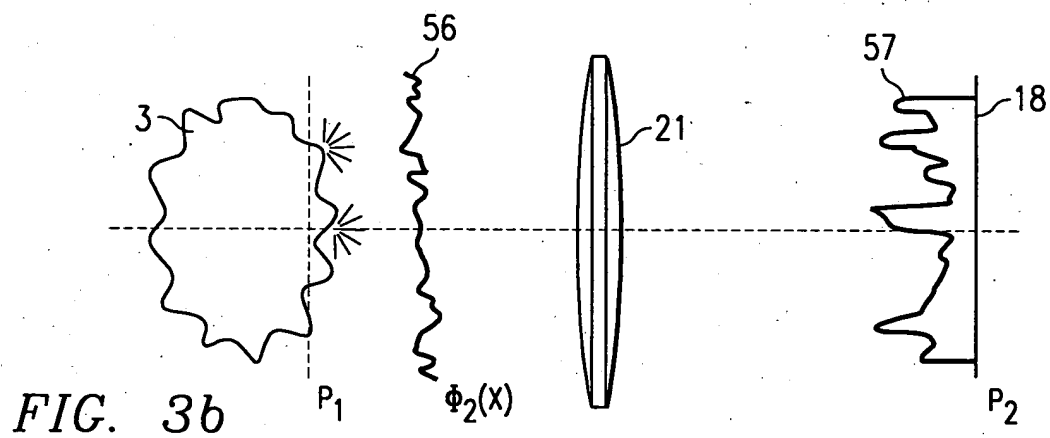
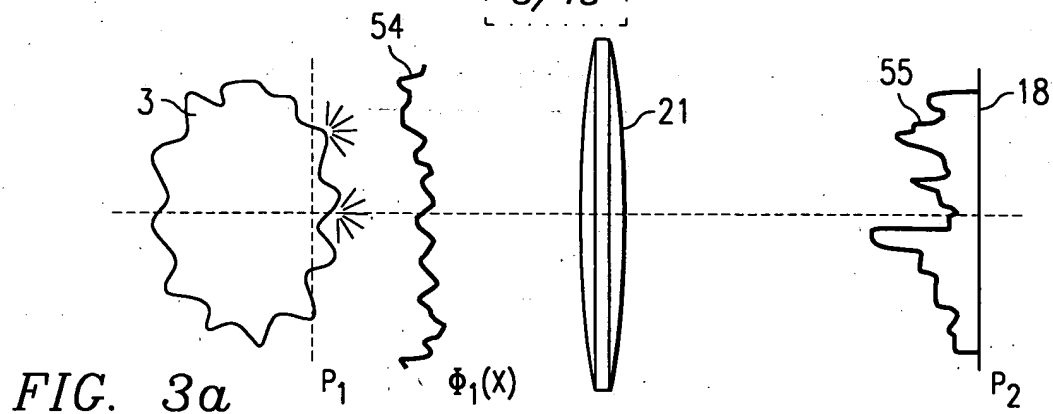
FIG. 1c
(PRIOR ART)





ROS8009

3/48





ROS8009

200 *FIG. 4a* [4/48]

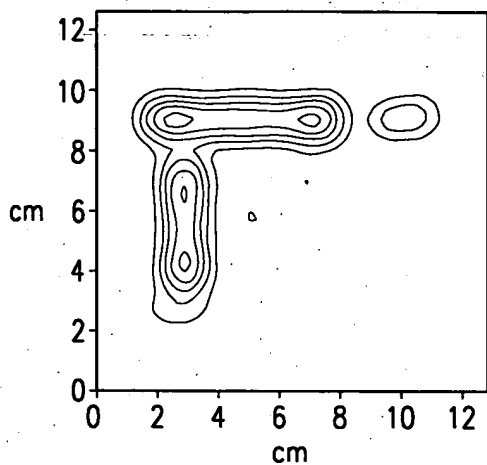
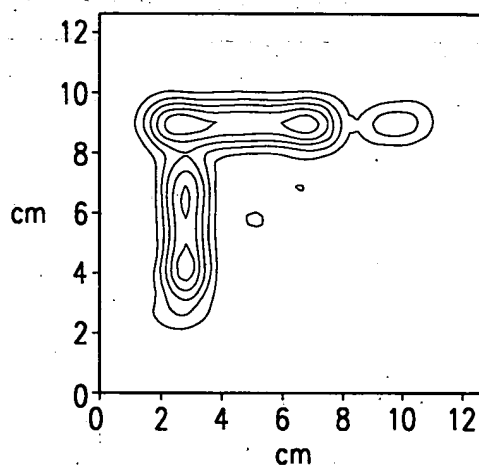


FIG. 4b 205



210 *FIG. 4c*

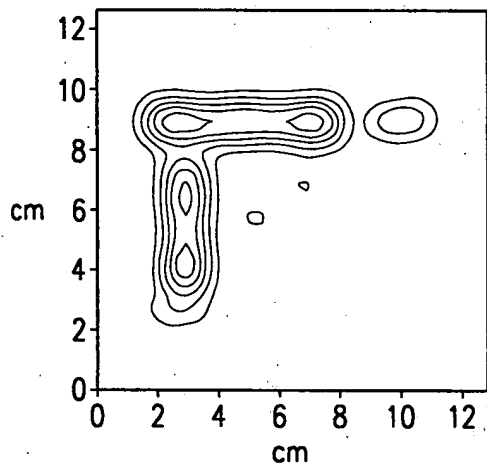


FIG. 4d 215

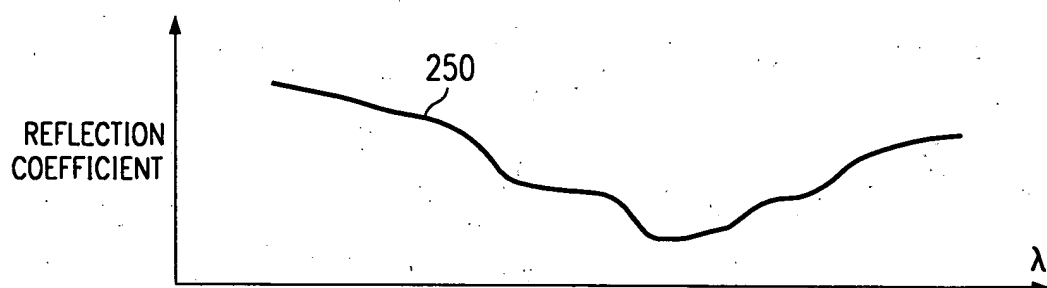
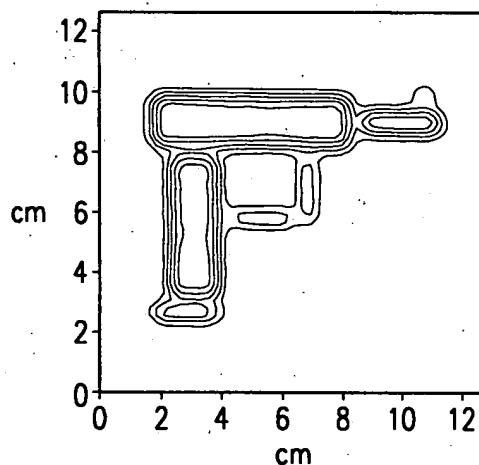


FIG. 5a



ROS8009

5/48

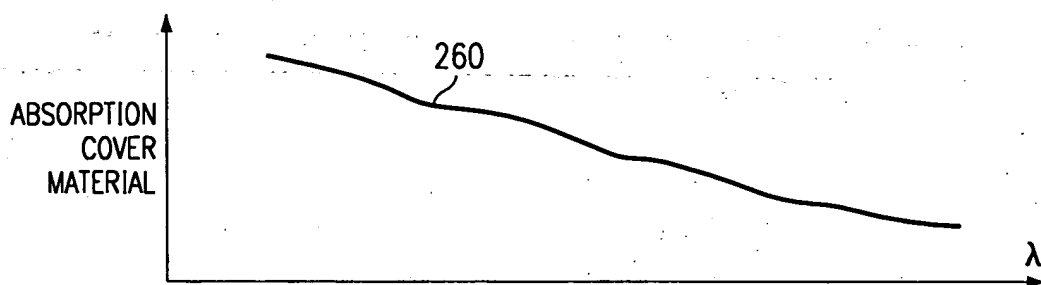


FIG. 5b

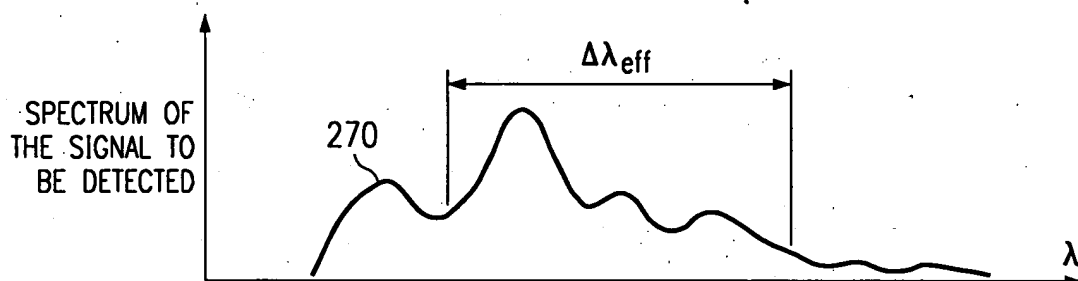


FIG. 5c

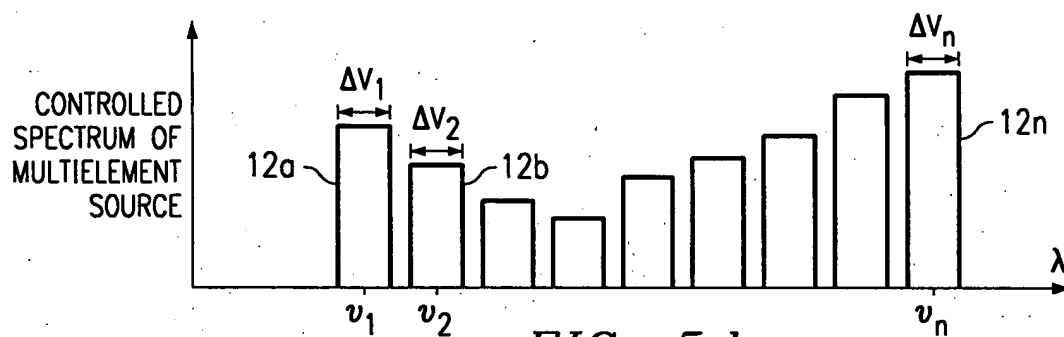


FIG. 5d

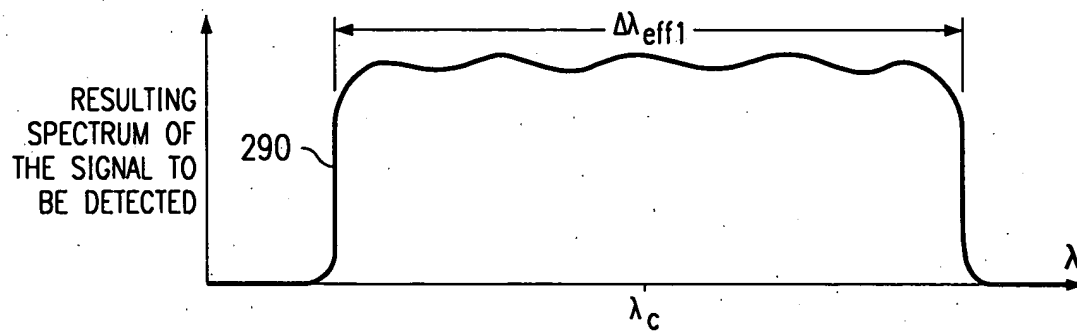


FIG. 5e



ROS8009

6/48

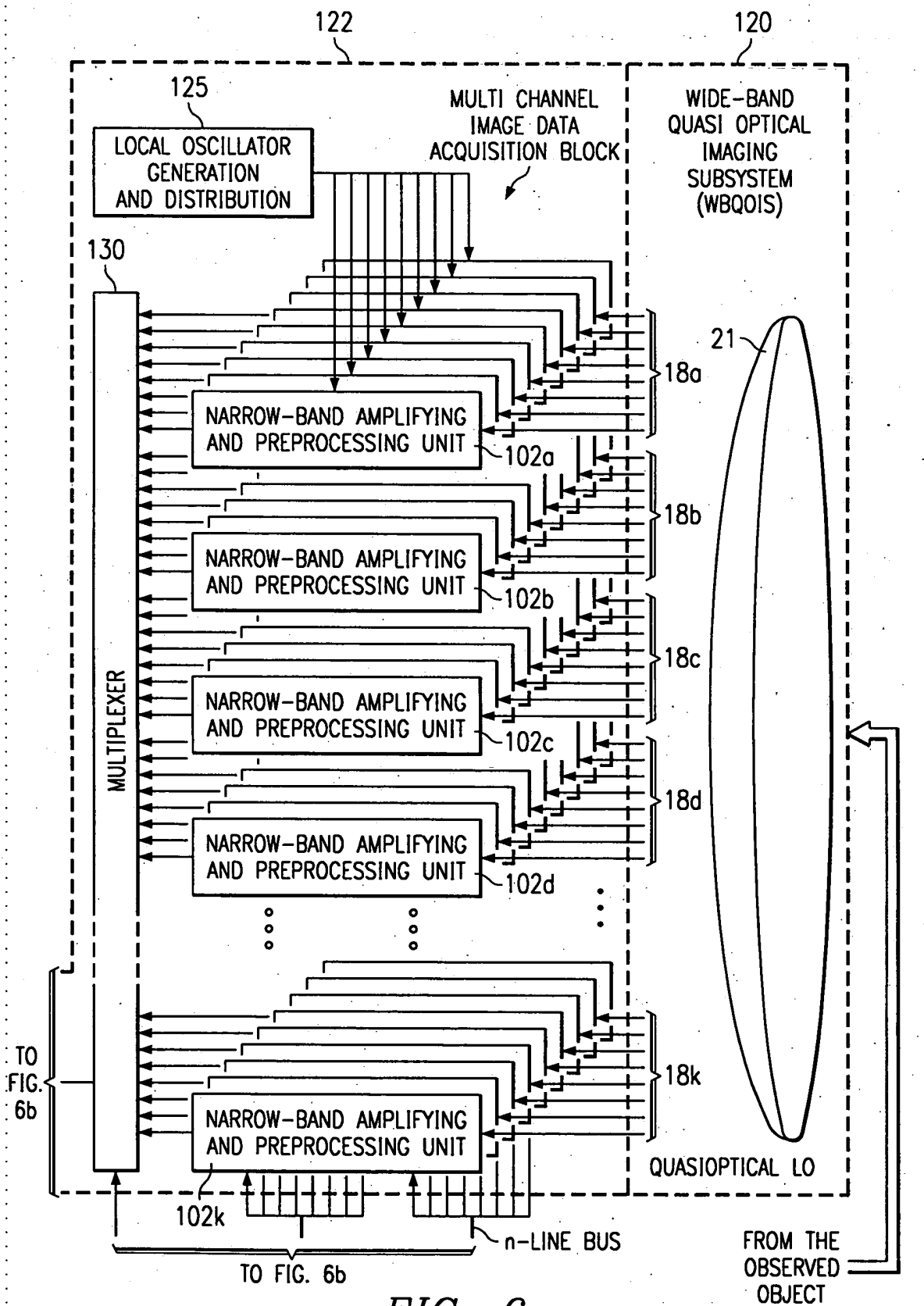
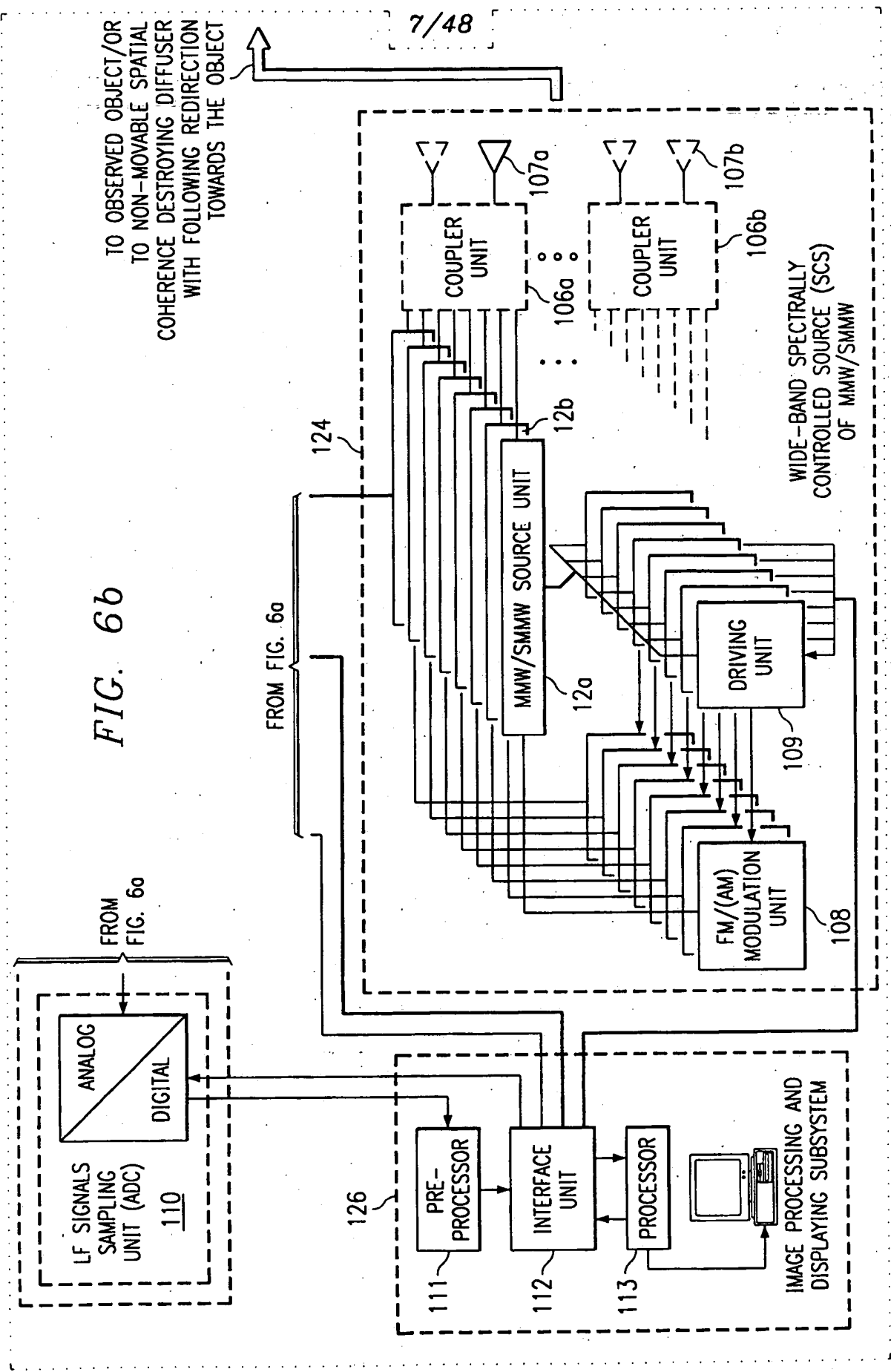
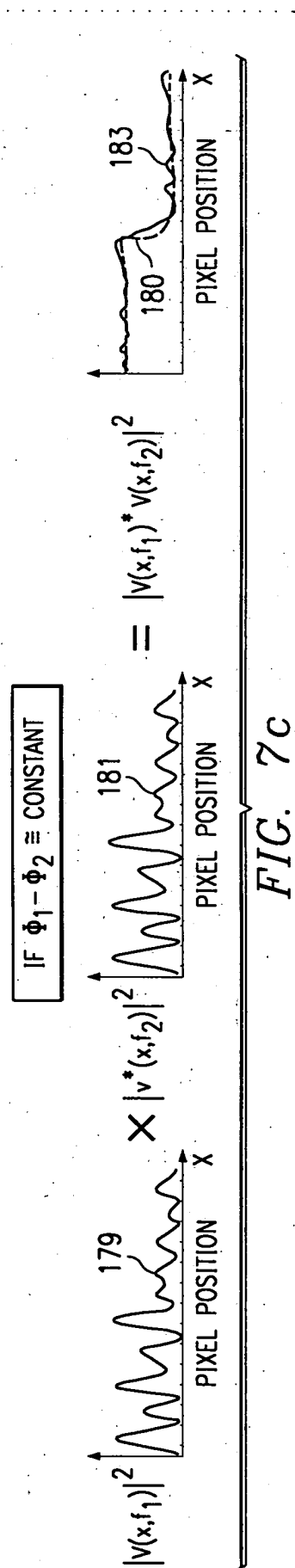
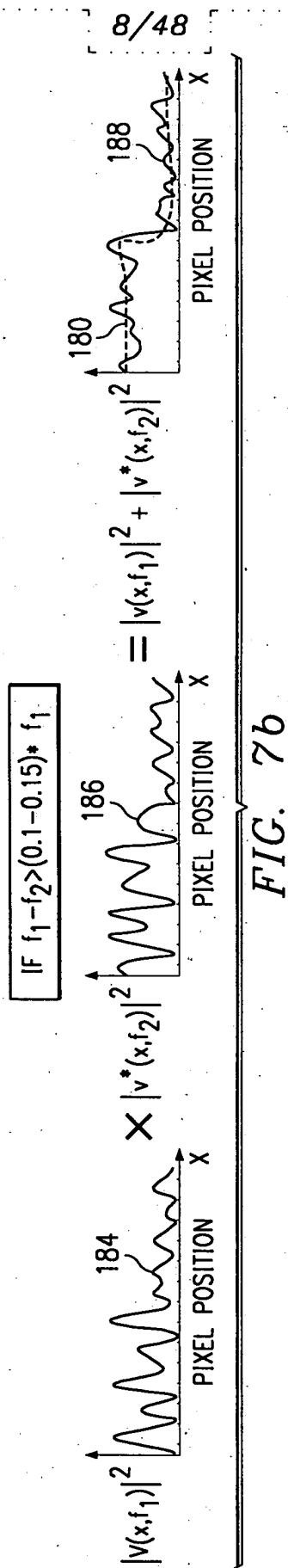
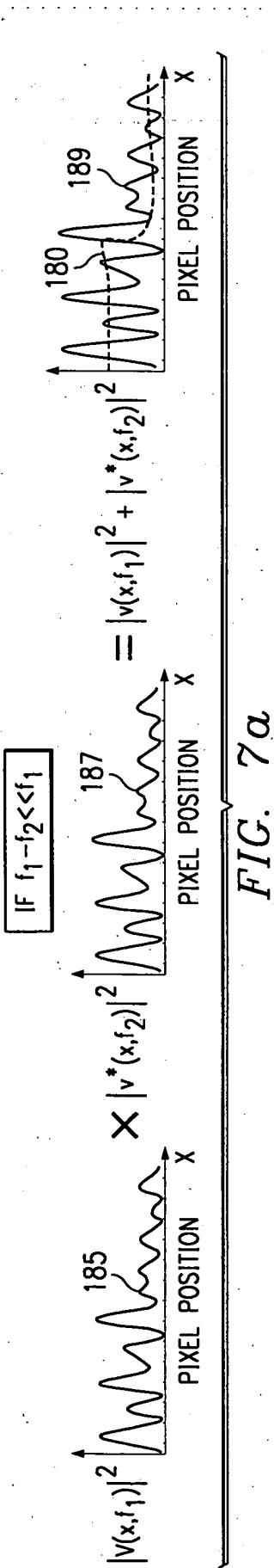


FIG. 6a







9/48

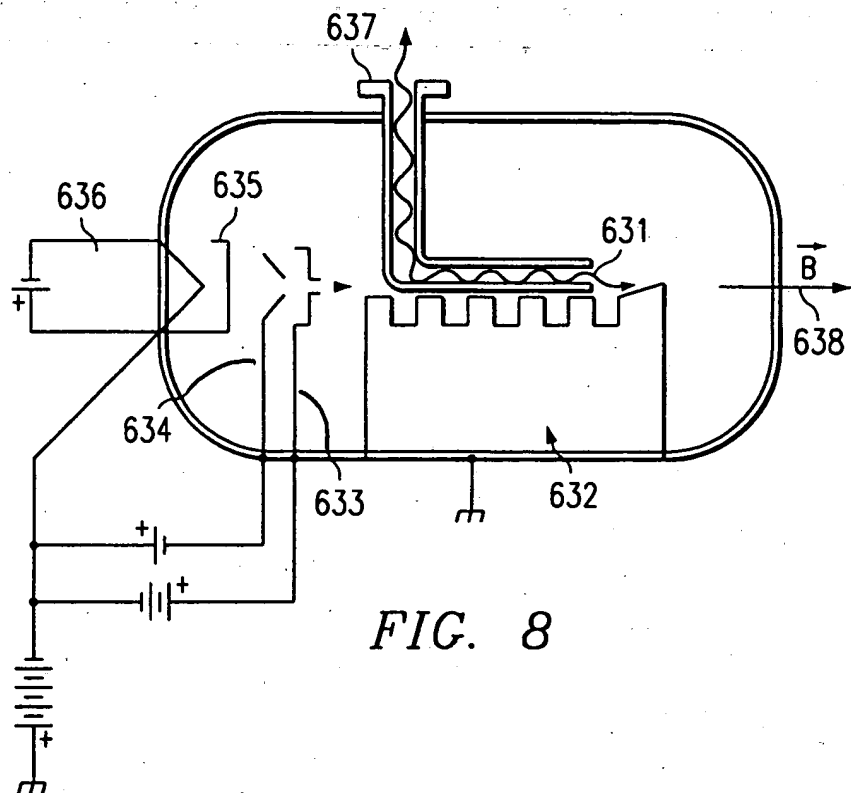


FIG. 8

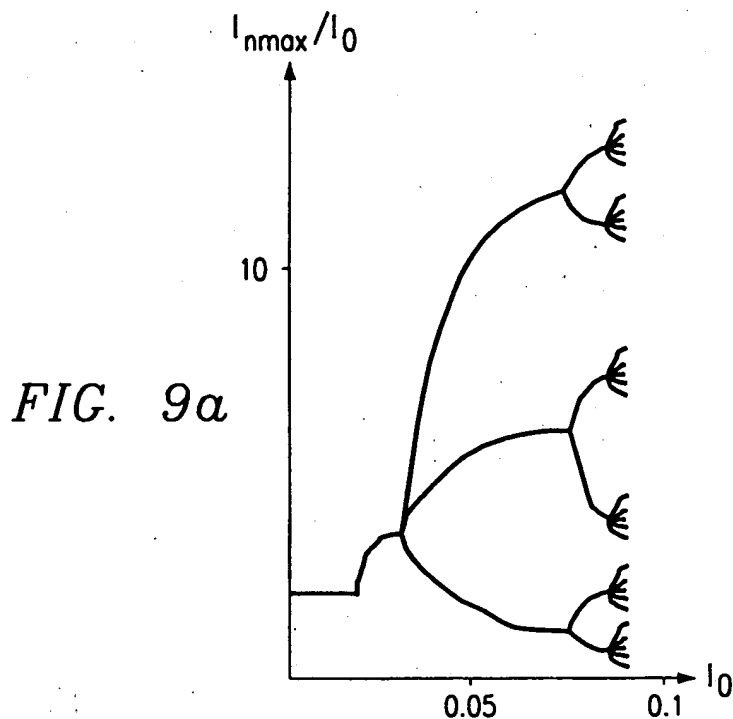


FIG. 9a

FIG. 9b

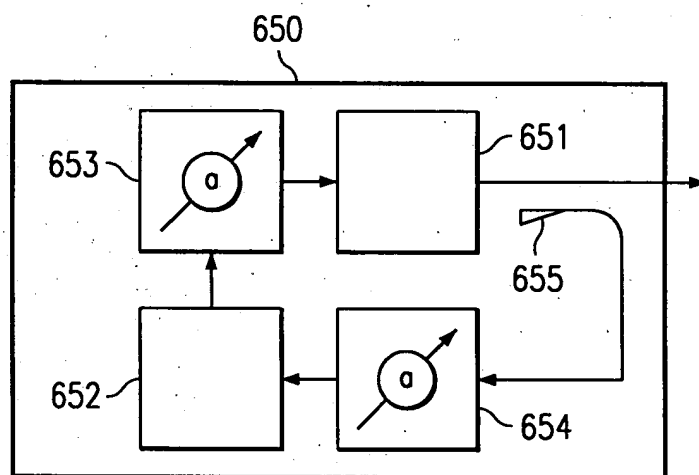
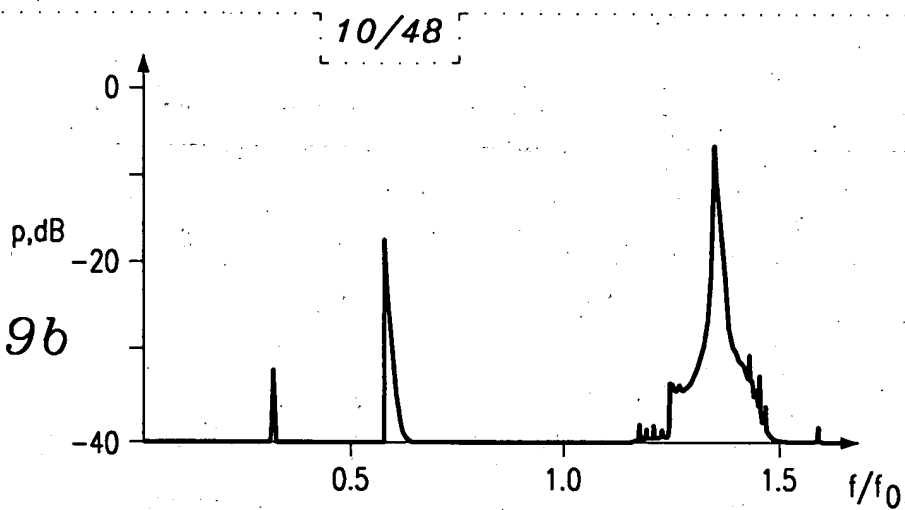


FIG. 10

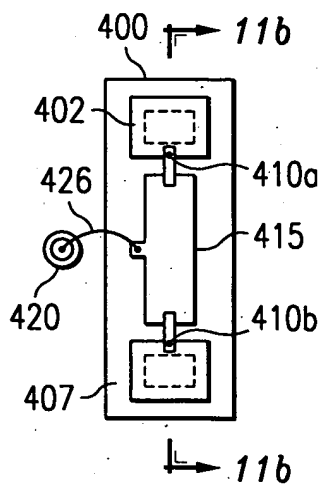


FIG. 11a

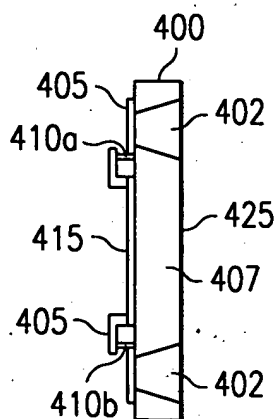


FIG. 11b



ROS8009

REPLACEMENT SHEET

11/48

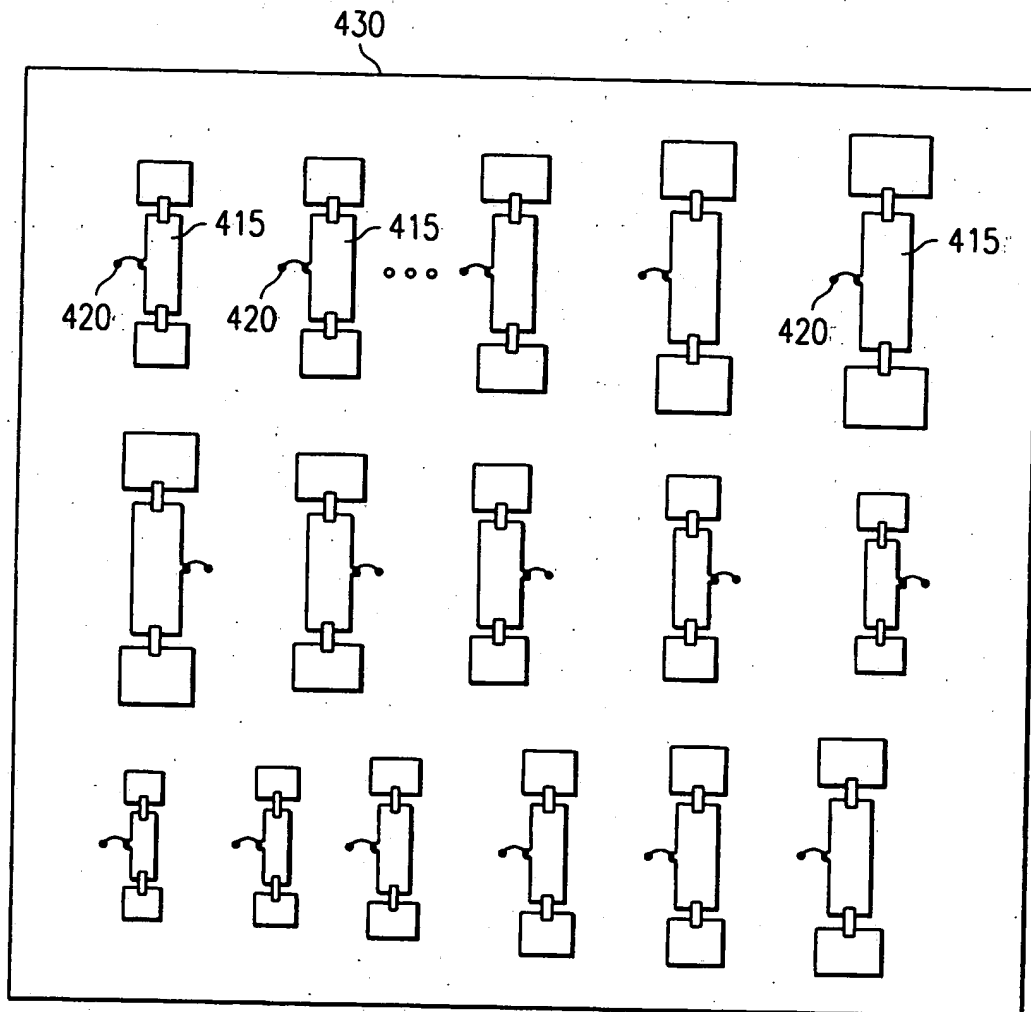


FIG. 11c

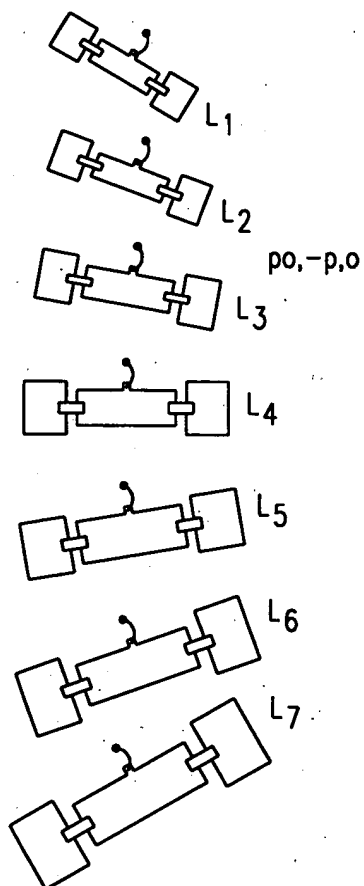


FIG. 12a

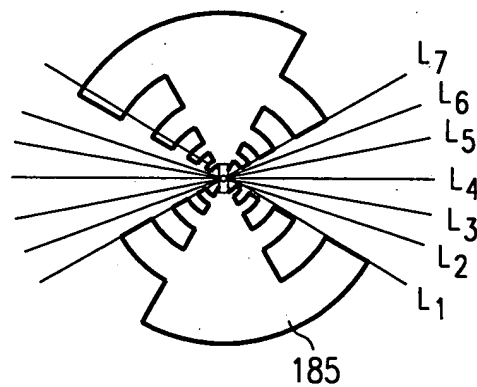


FIG. 12b

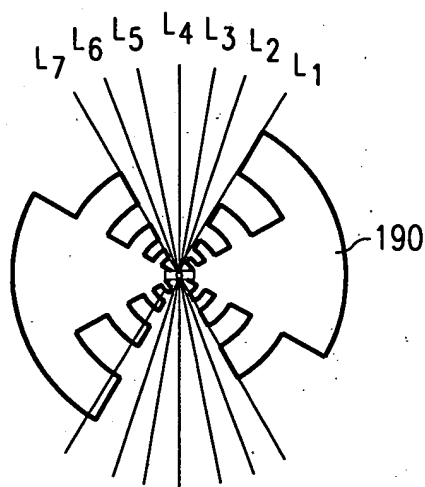


FIG. 12c

13/48

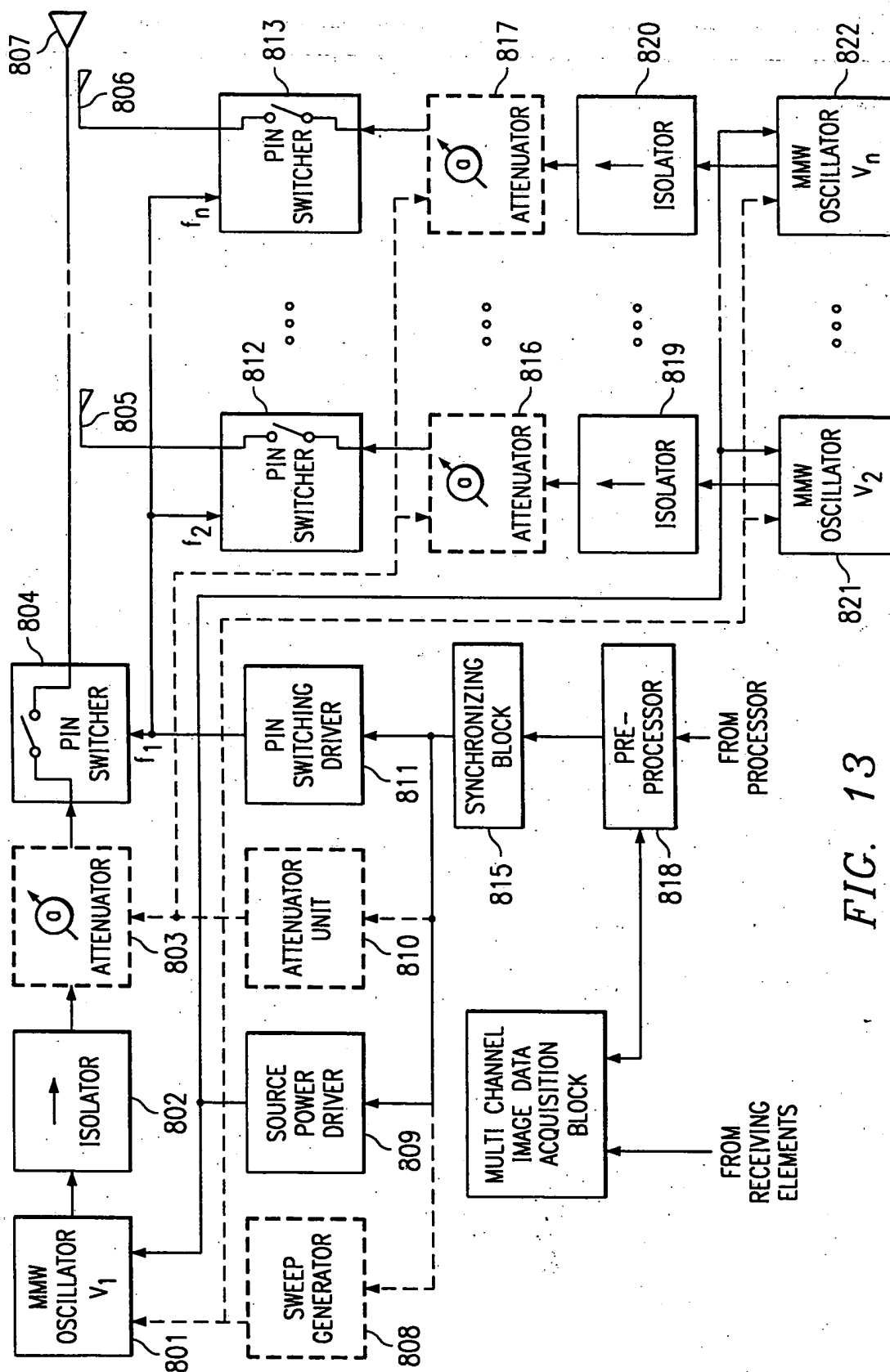


FIG. 13



ROS8009

REPLACEMENT SHEET

14/48

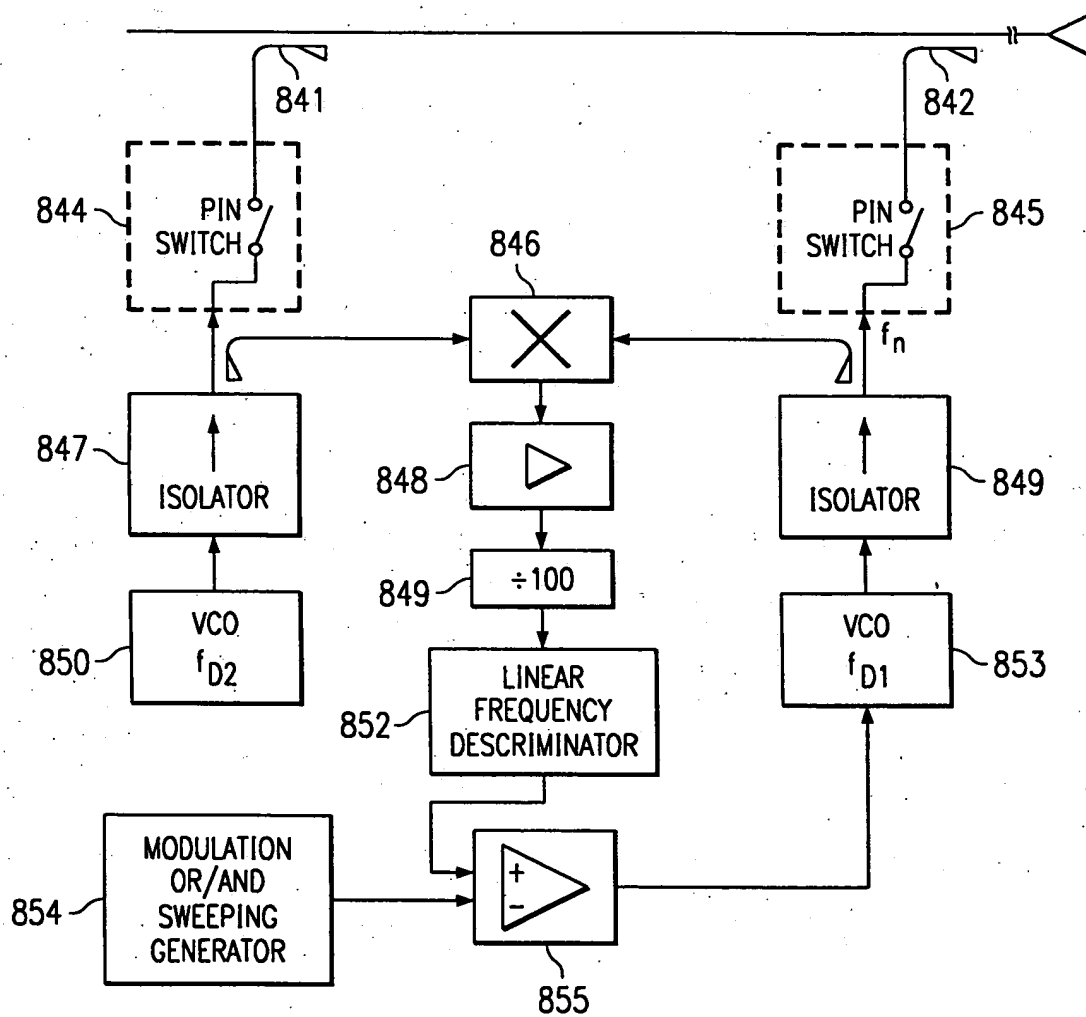


FIG. 14a

15/48

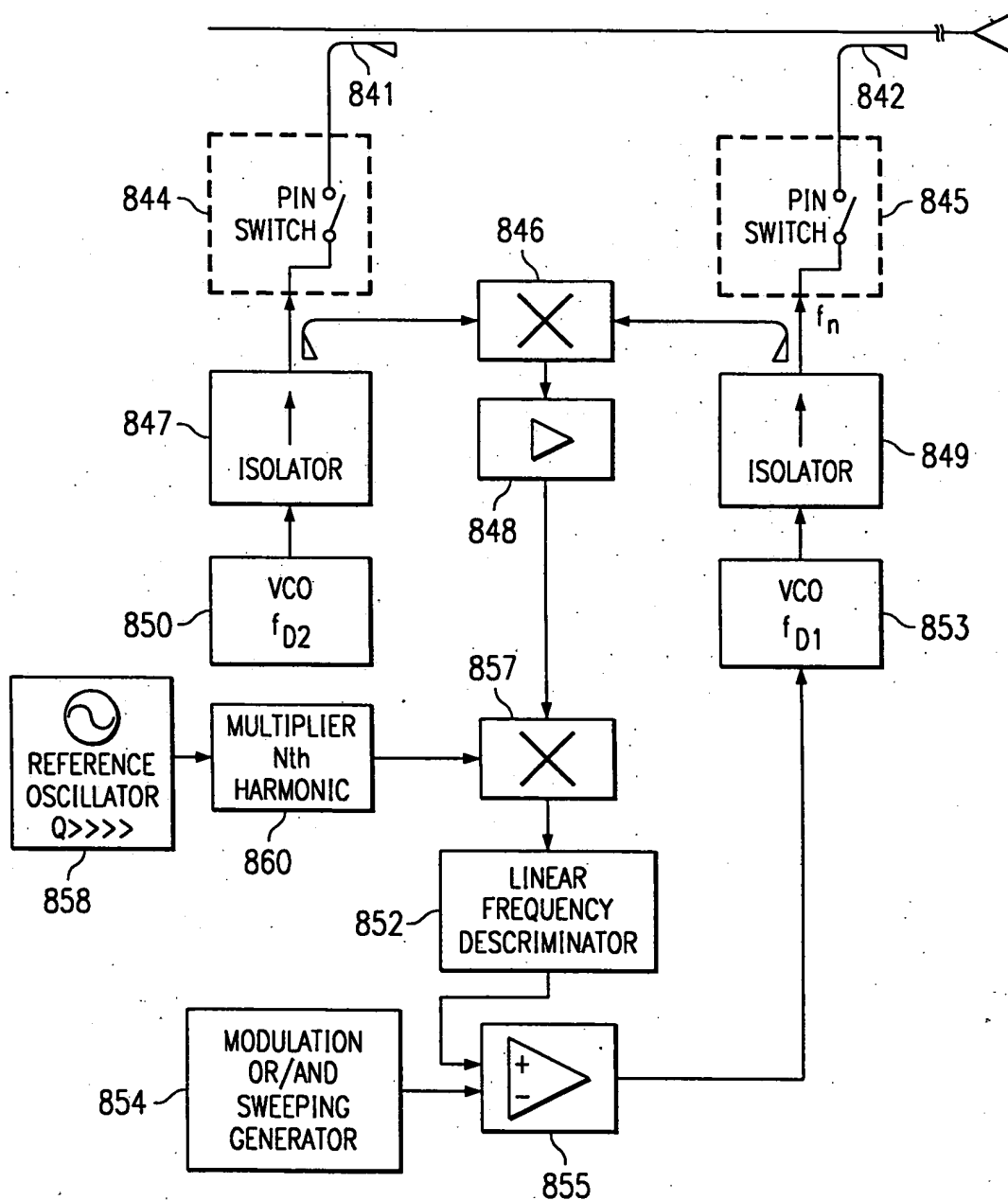
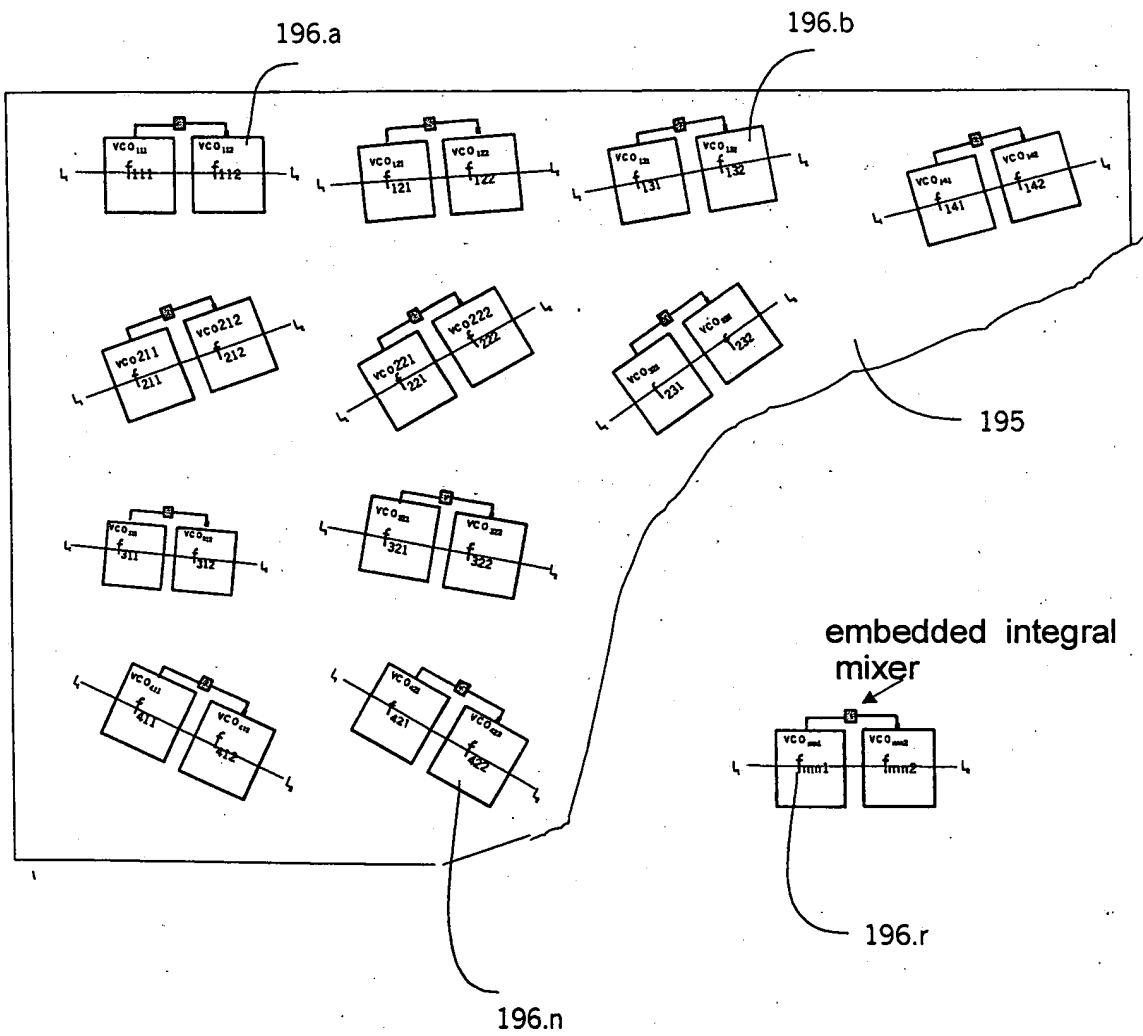


FIG. 14b



FIGURE 15



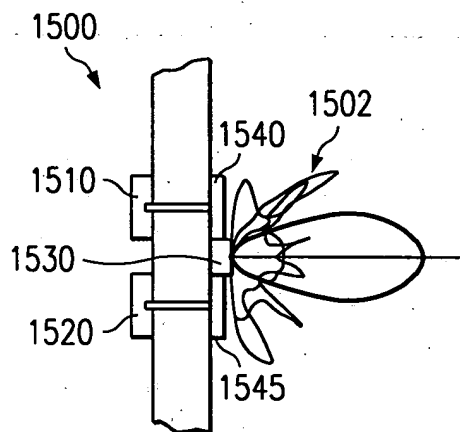


FIG. 17c

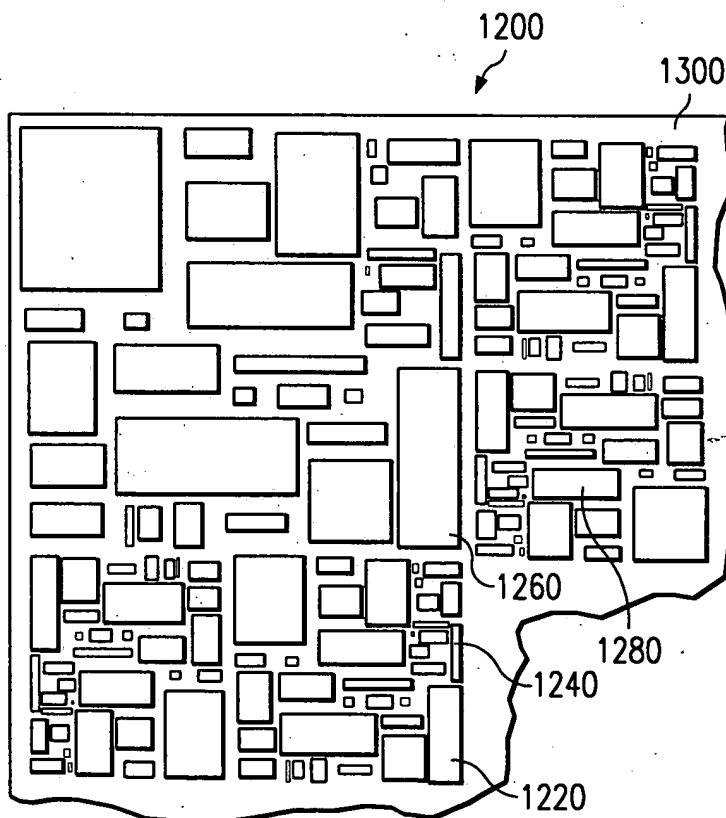


FIG. 18a

19/48

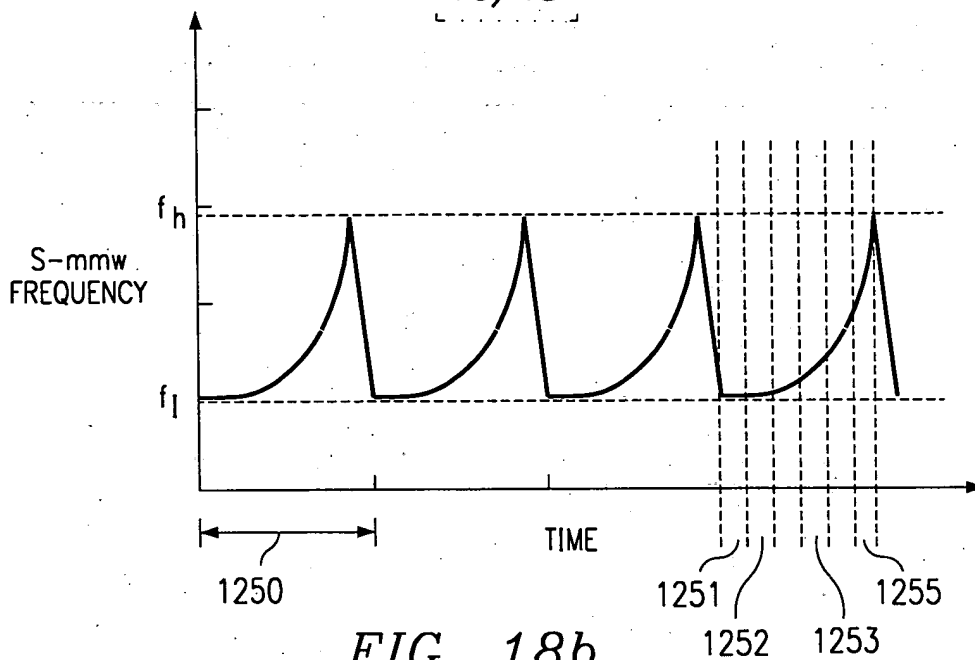


FIG. 18b

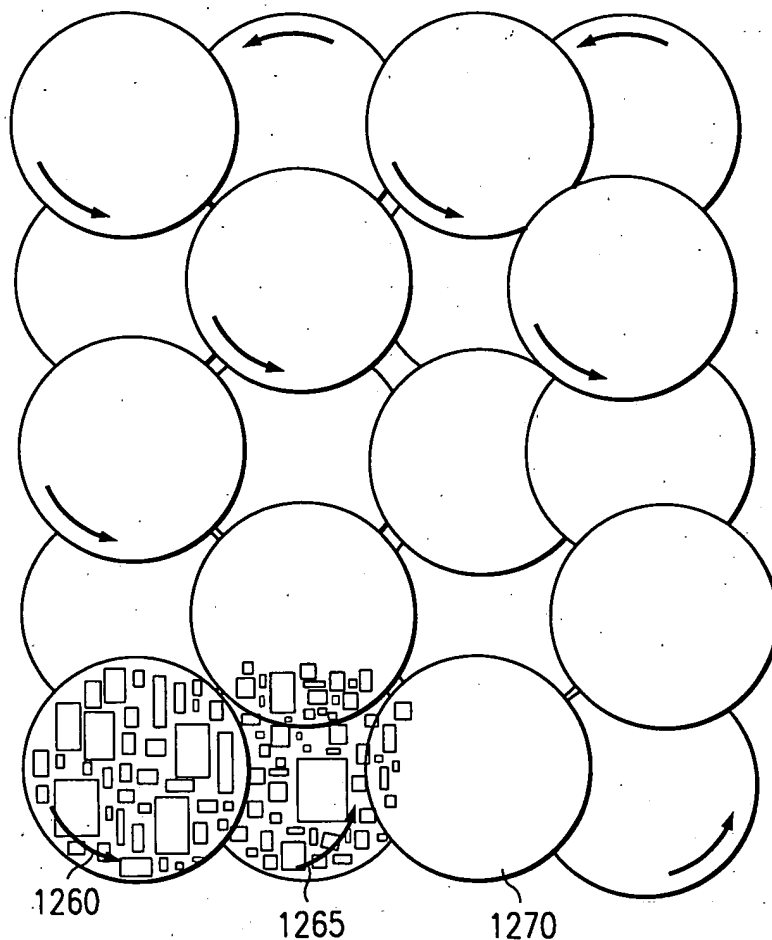
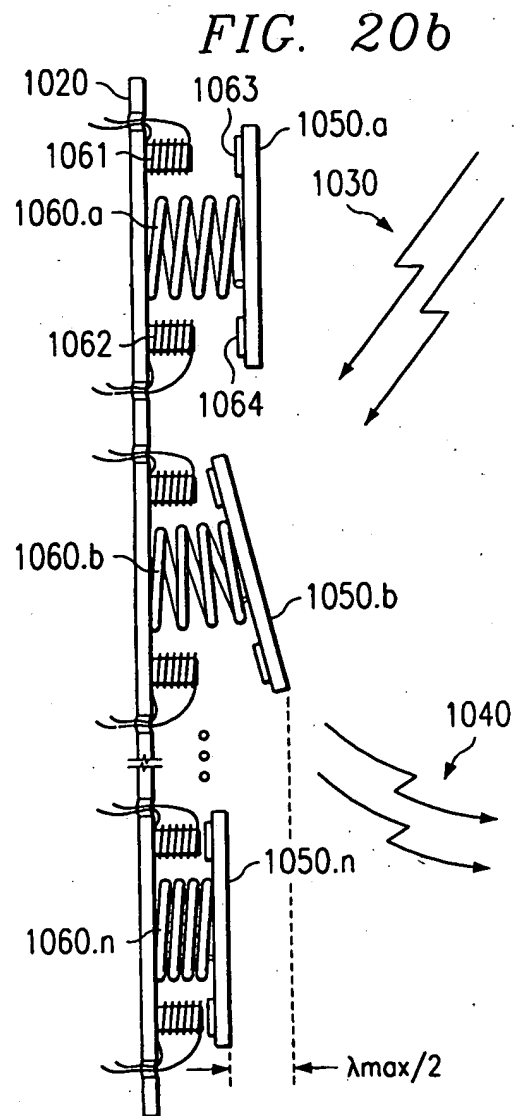
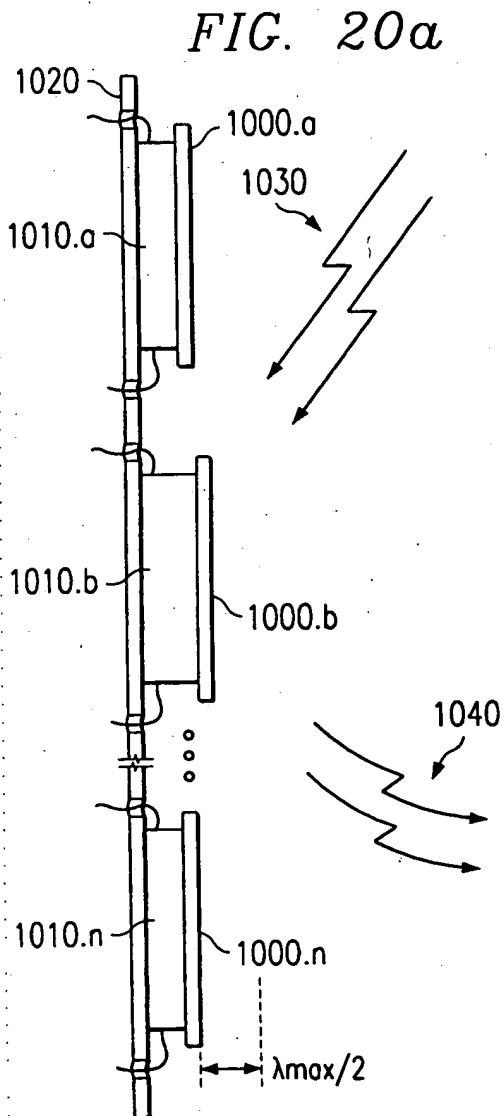
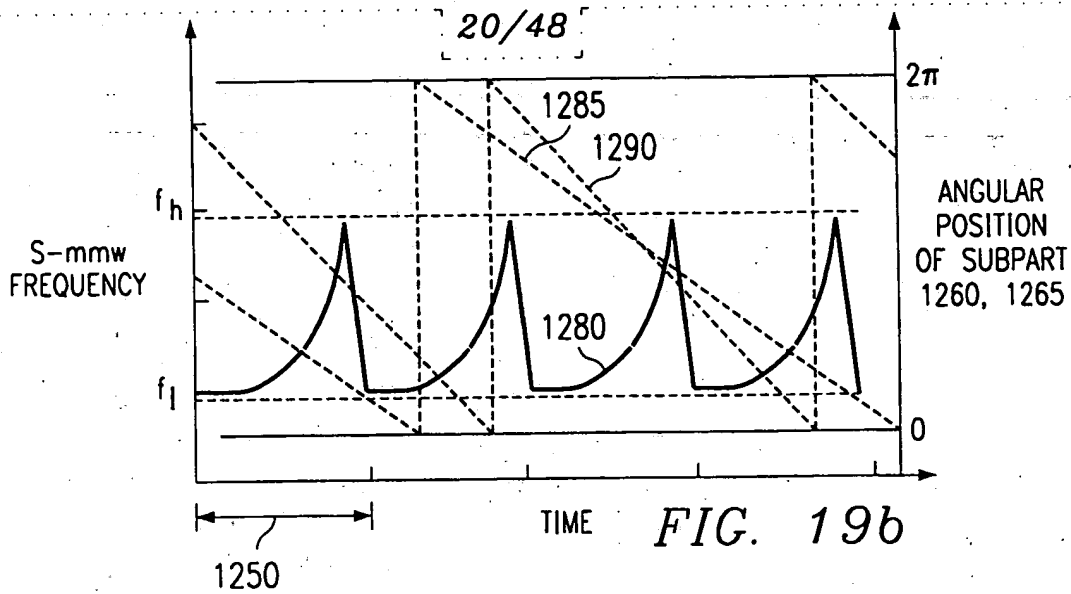


FIG. 19a



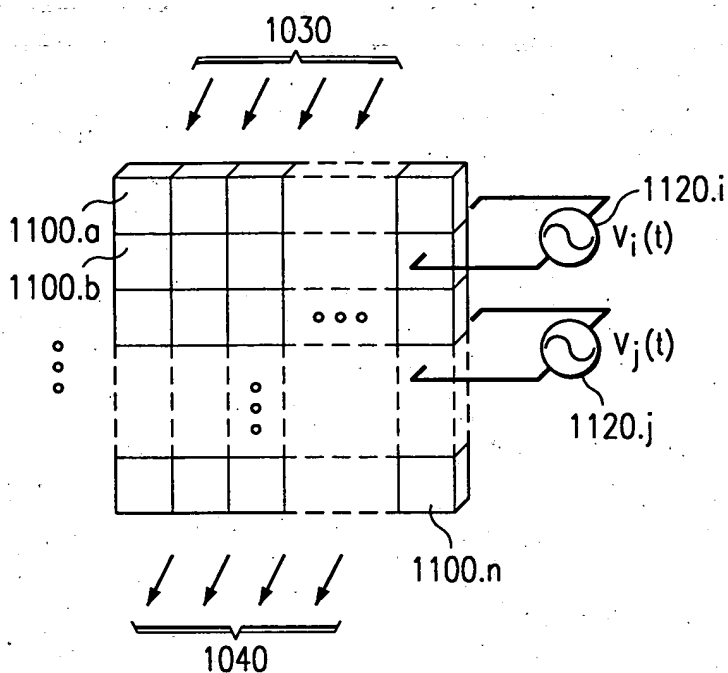


FIG. 21

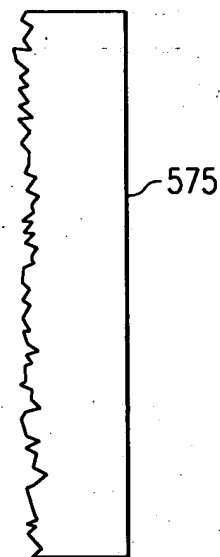


FIG. 22
(PRIOR ART)

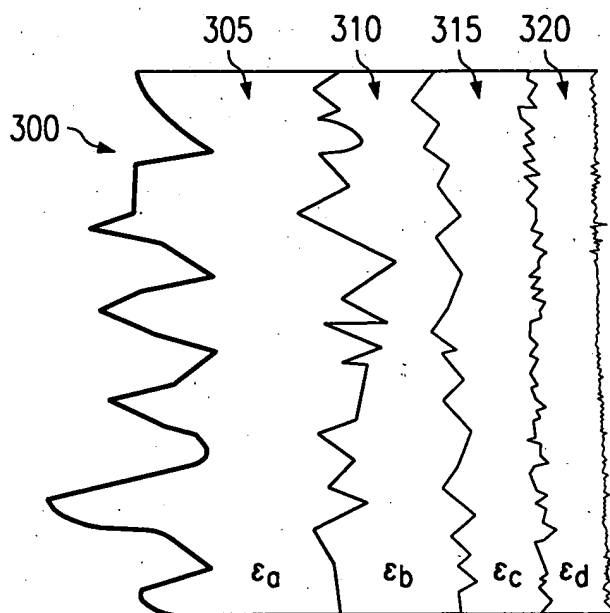


FIG. 23a



ROS8009

REPLACEMENT SHEET

[22/48]

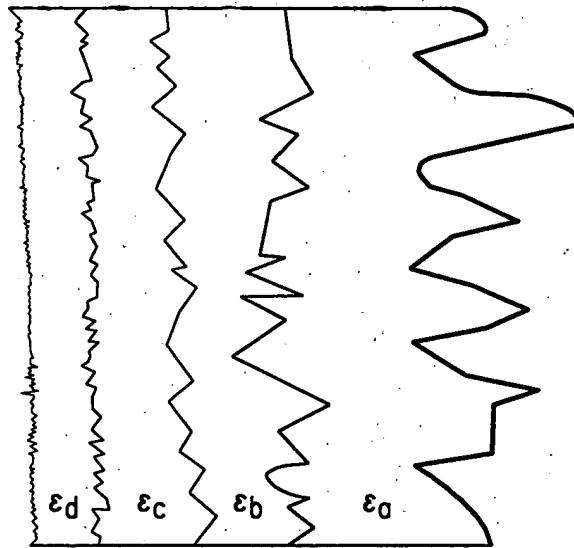


FIG. 23b

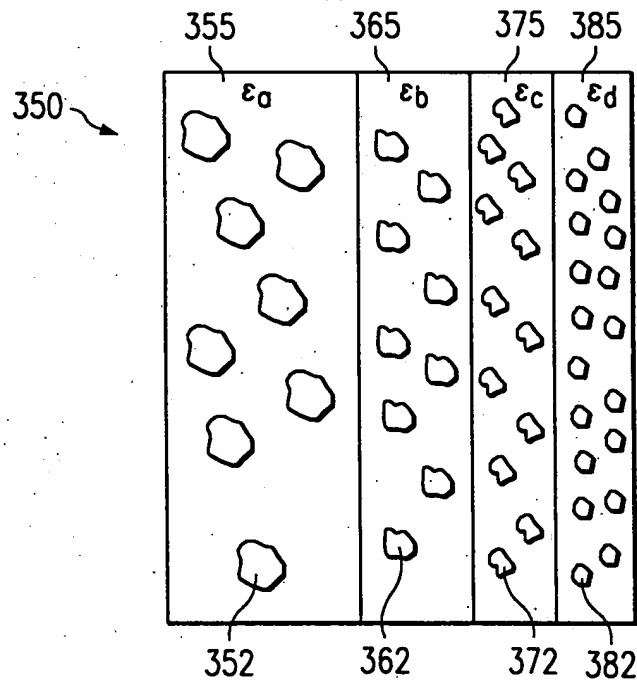


FIG. 24

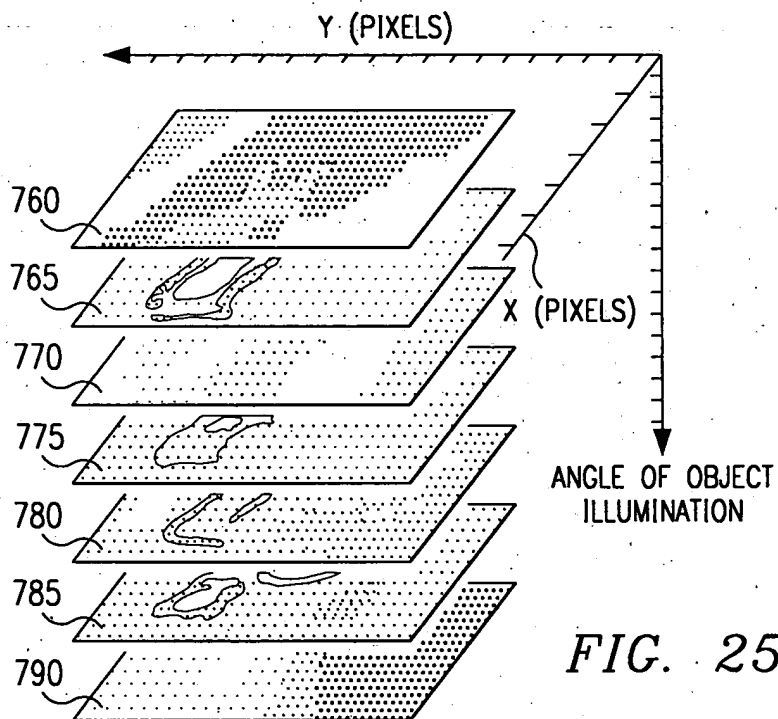


FIG. 25a

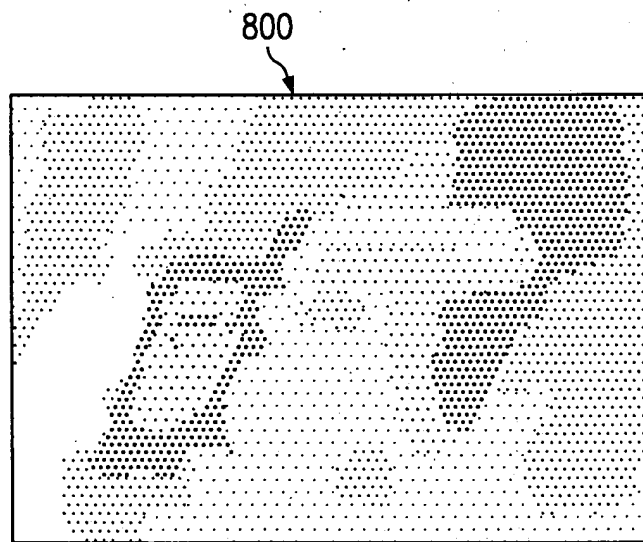


FIG. 25b

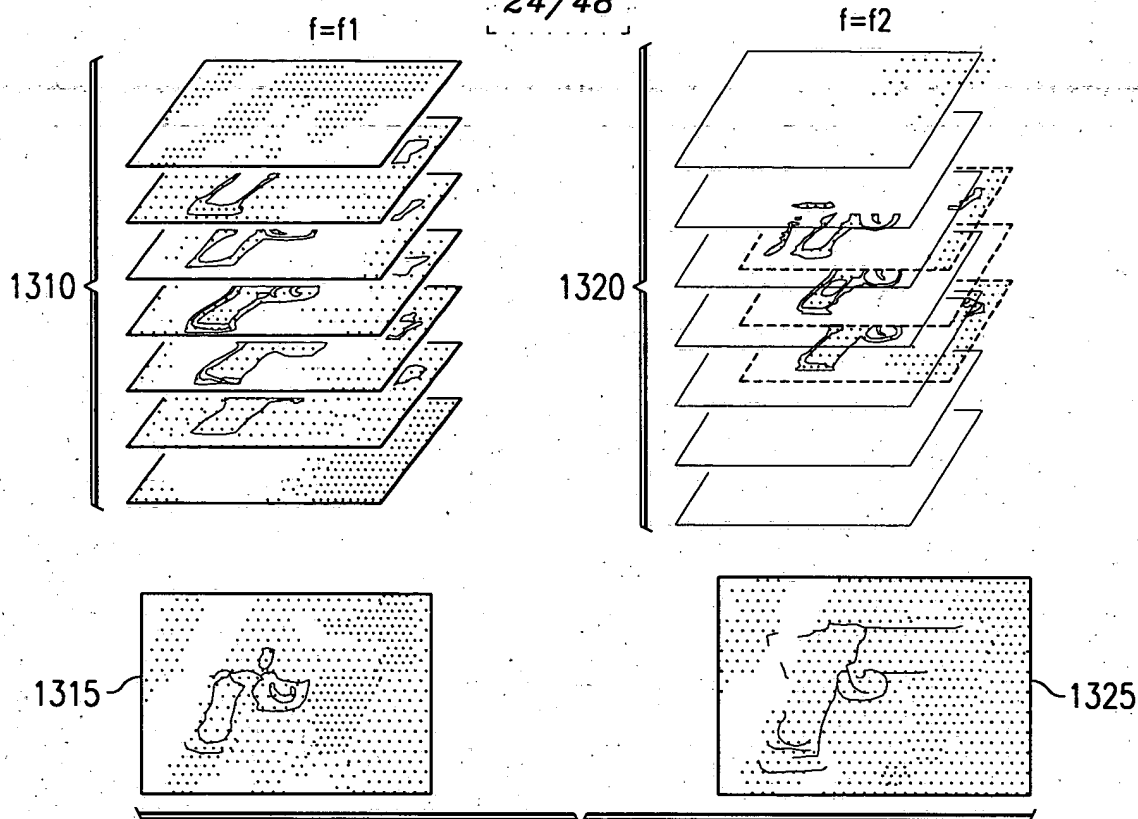


FIG. 26

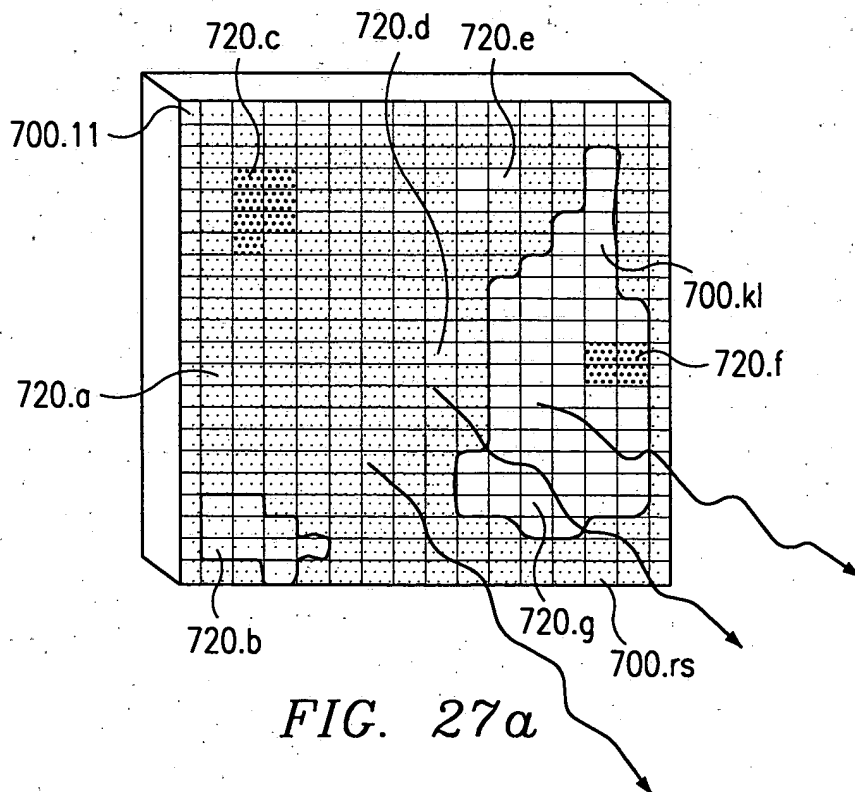


FIG. 27a

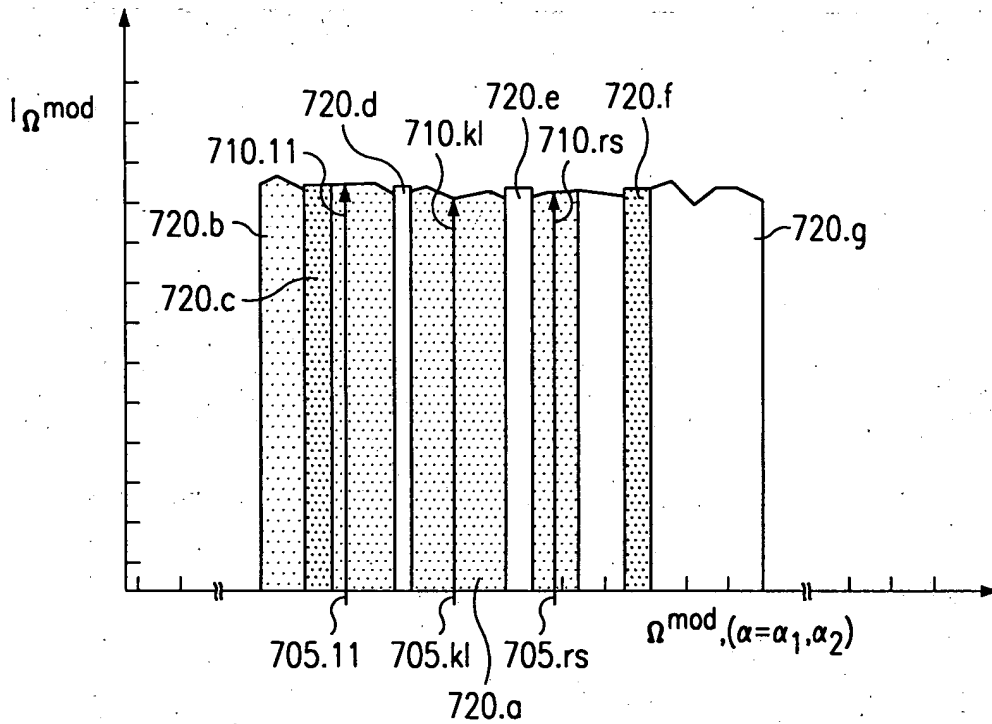


FIG. 27b

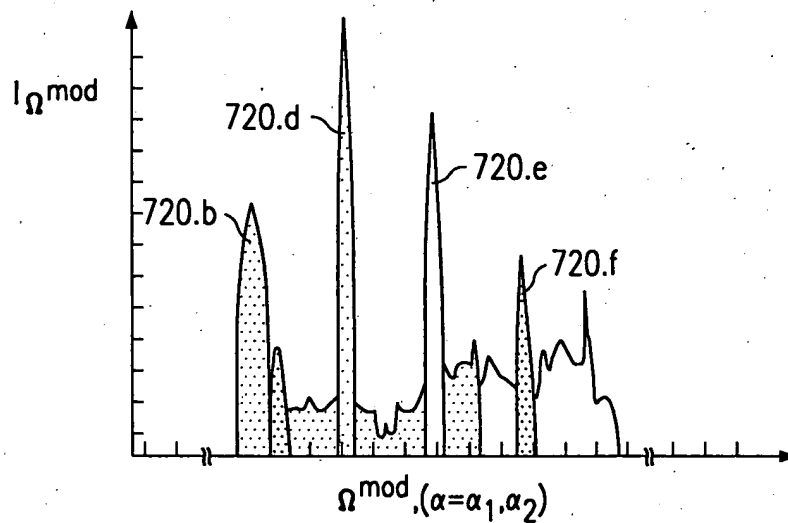


FIG. 27c

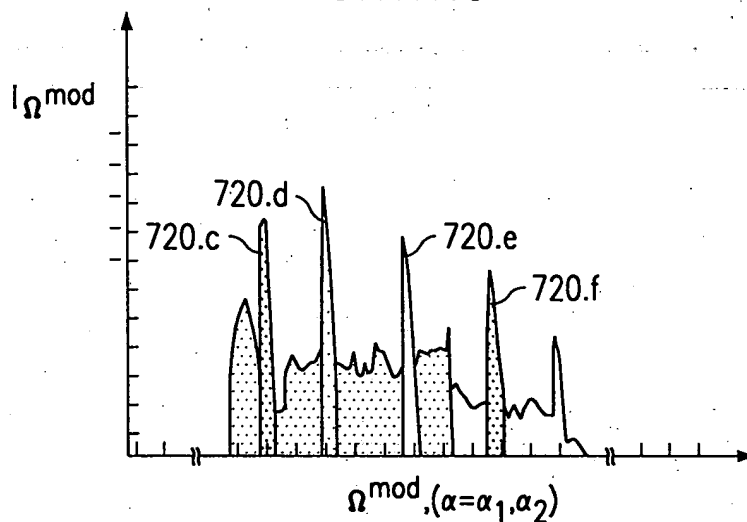


FIG. 27d

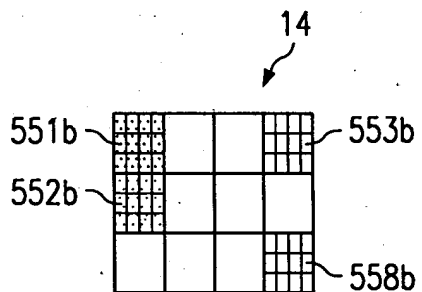


FIG. 28a

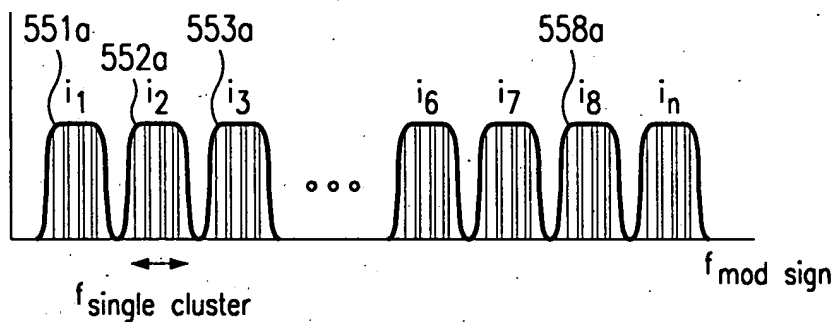
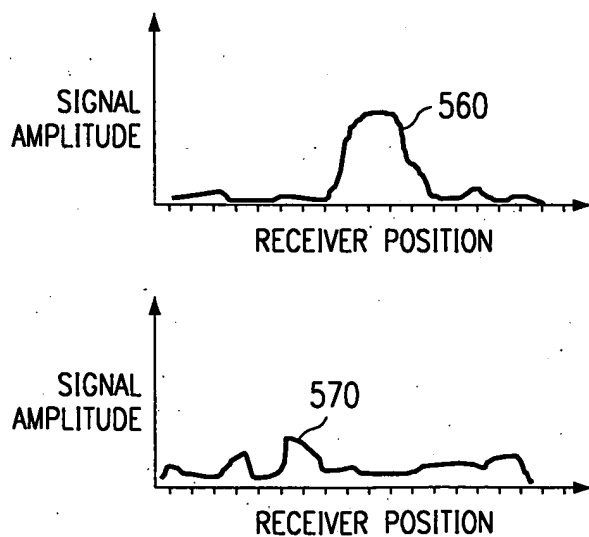
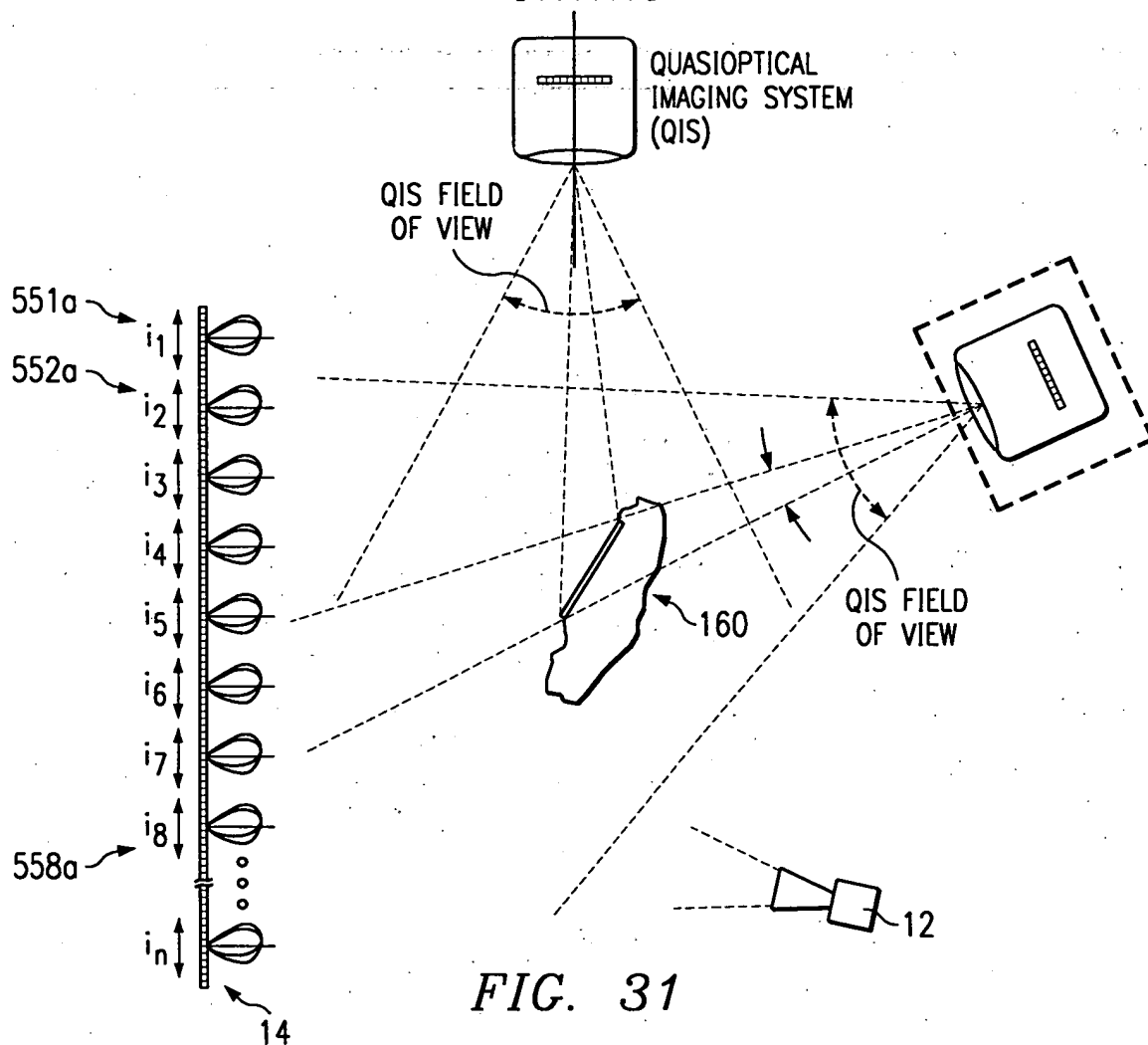


FIG. 28b

FIG. 30



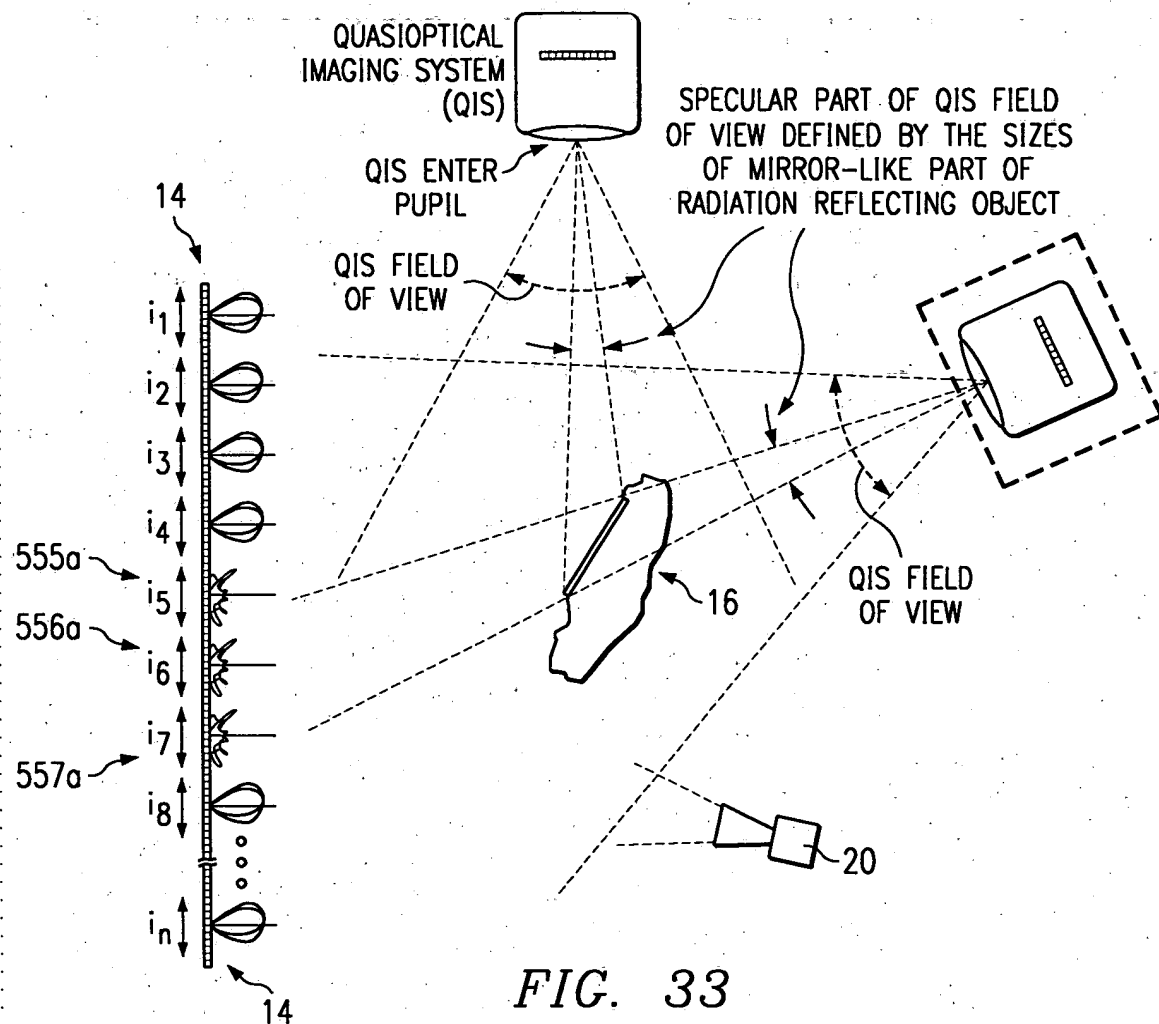


FIG. 33

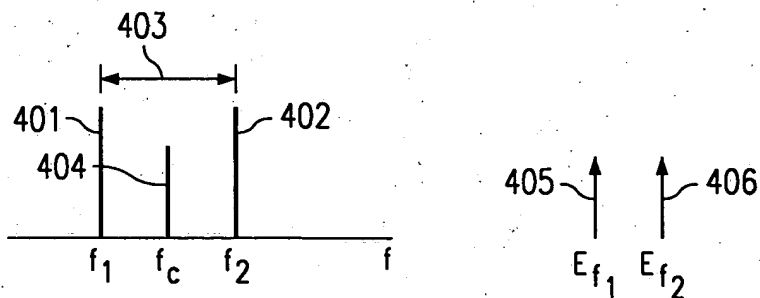


FIG. 36a

FIG. 34

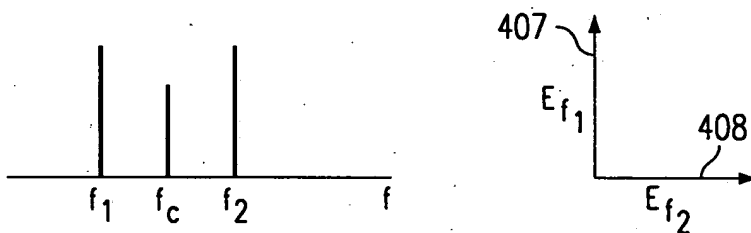
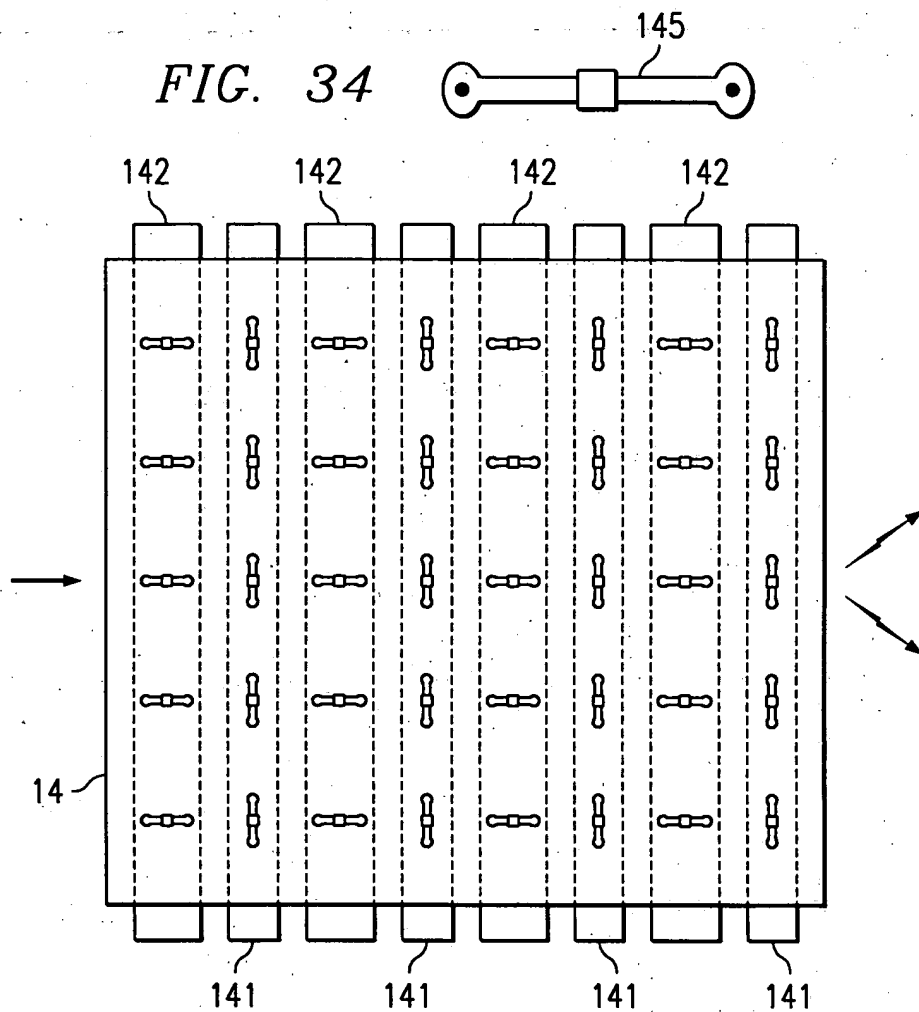


FIG. 36b

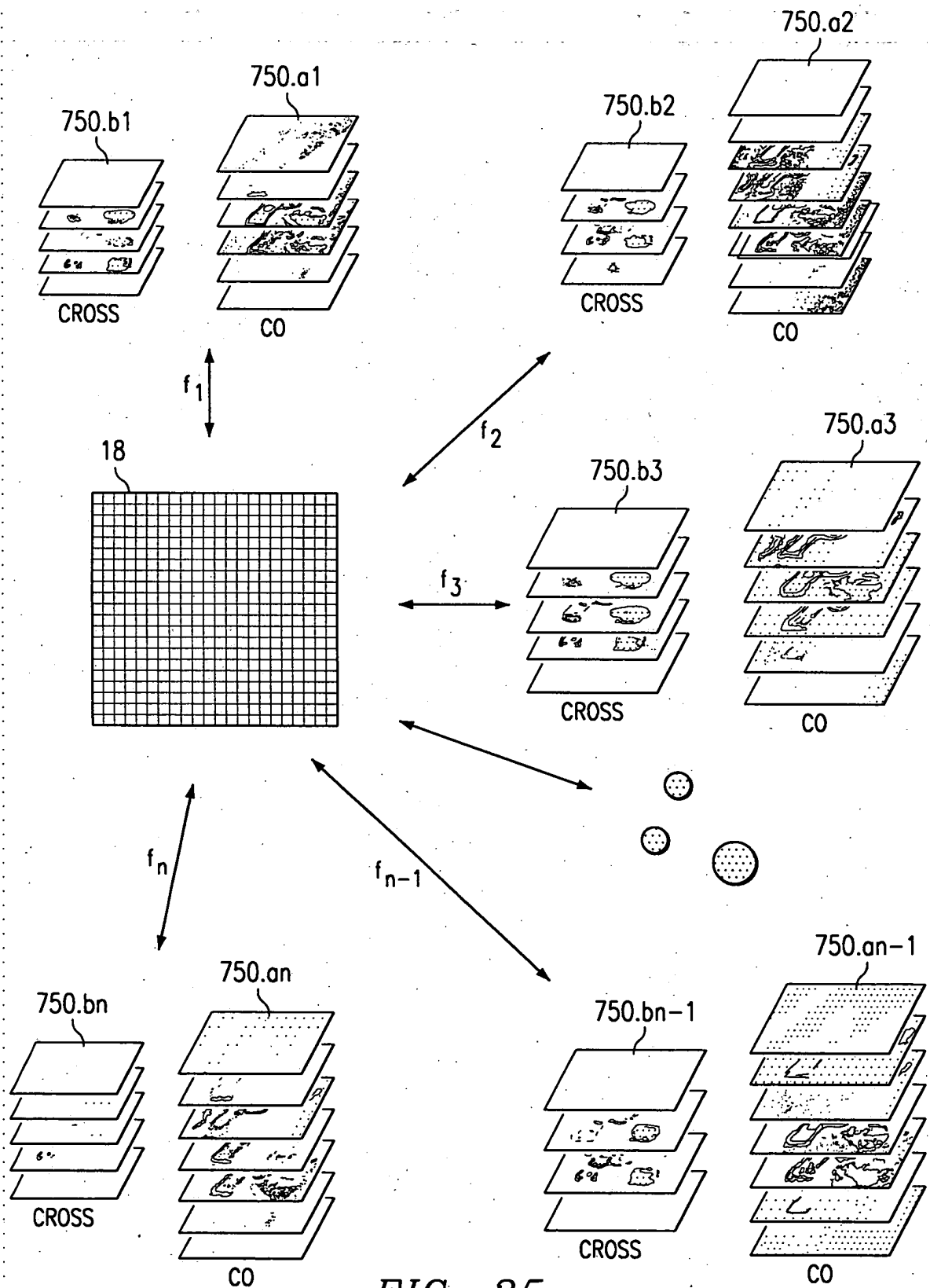
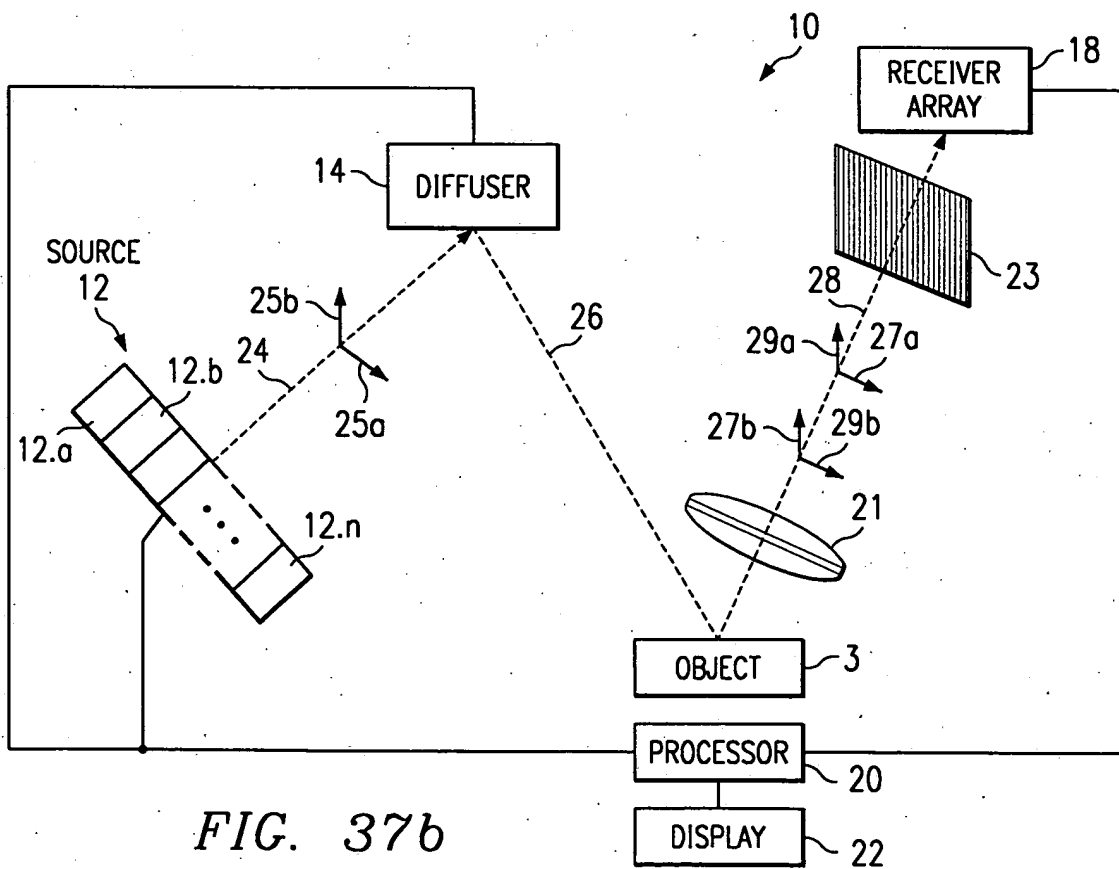
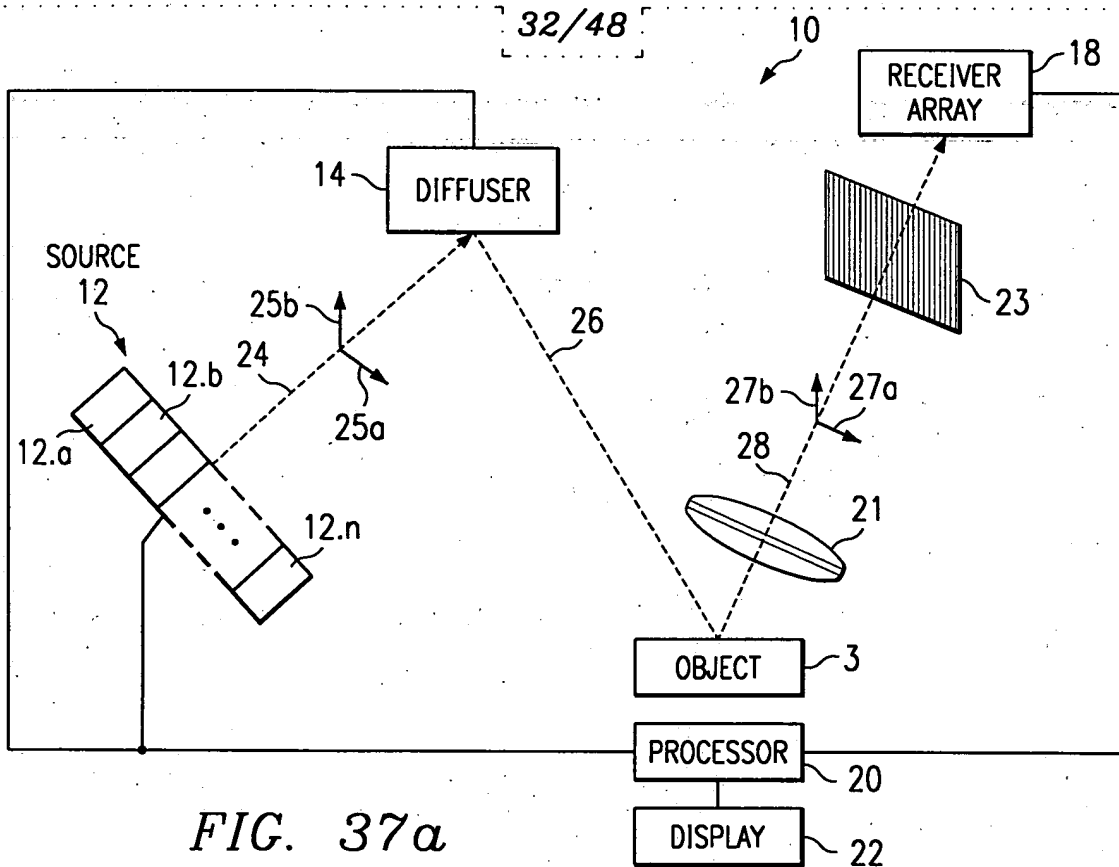


FIG. 35



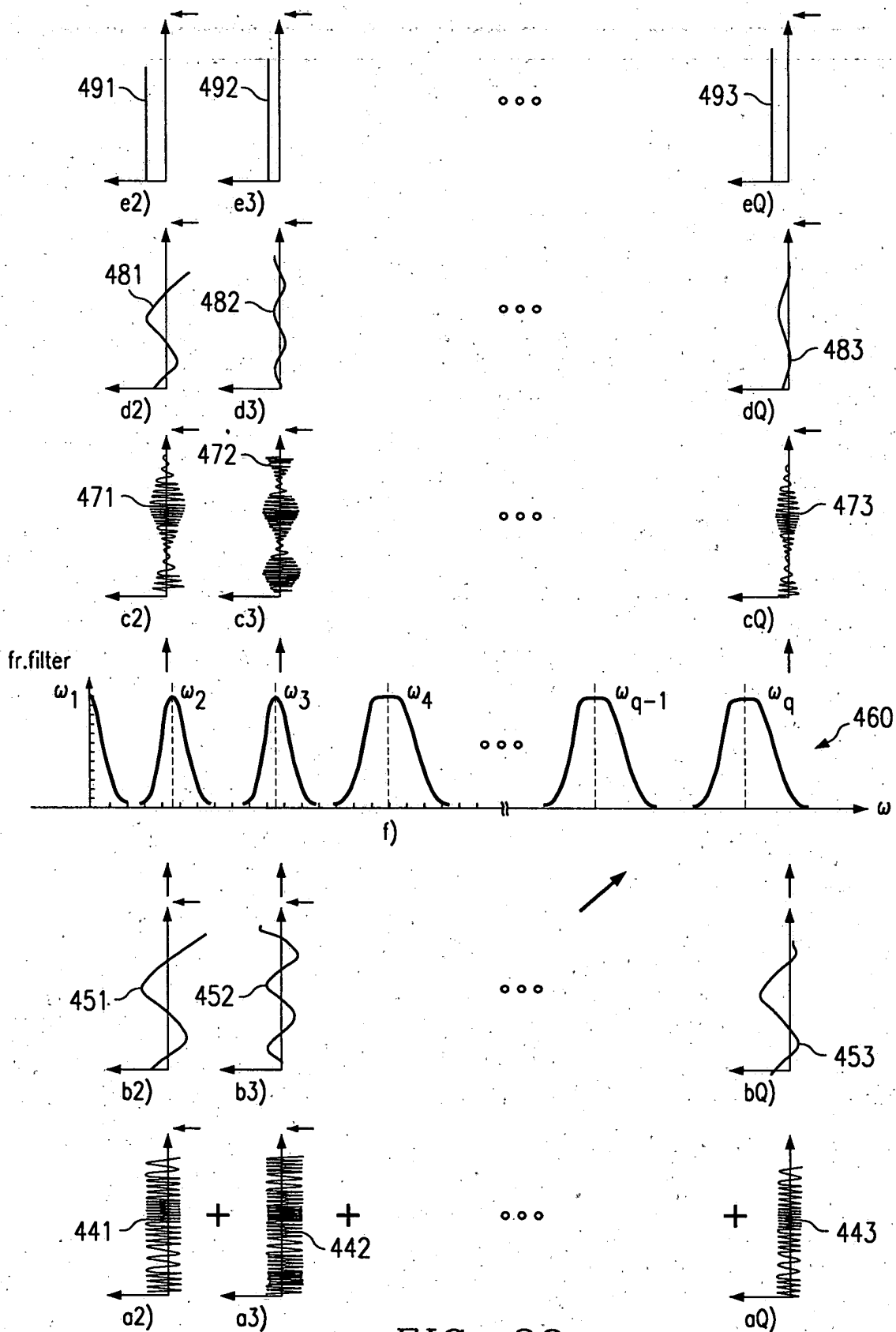


FIG. 38

[34/48]

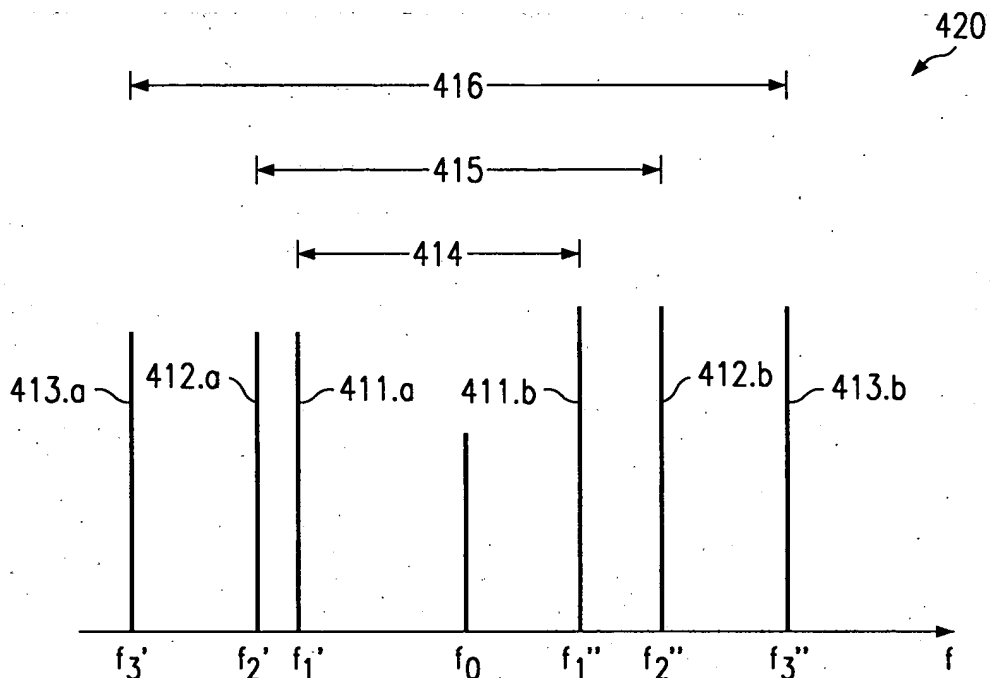
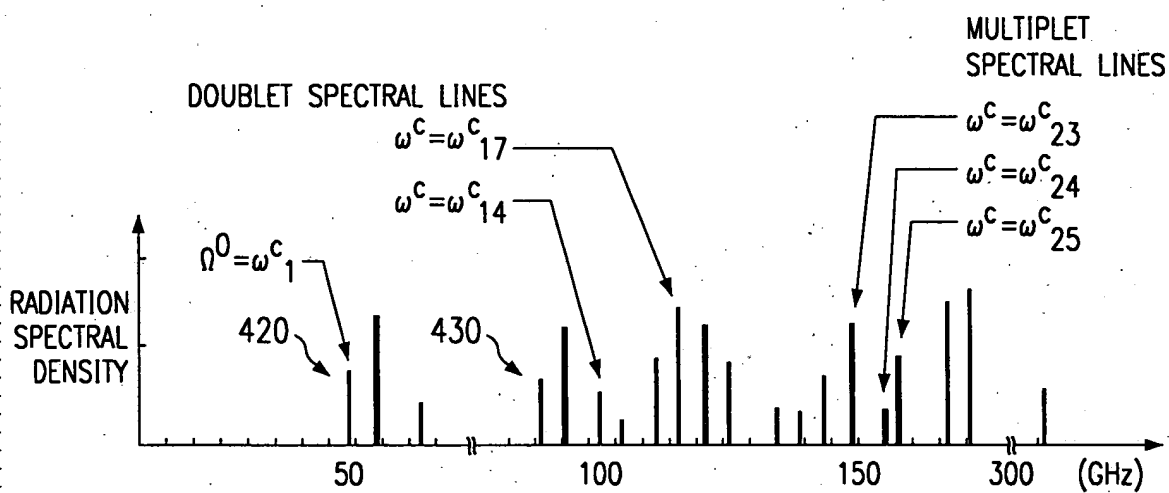
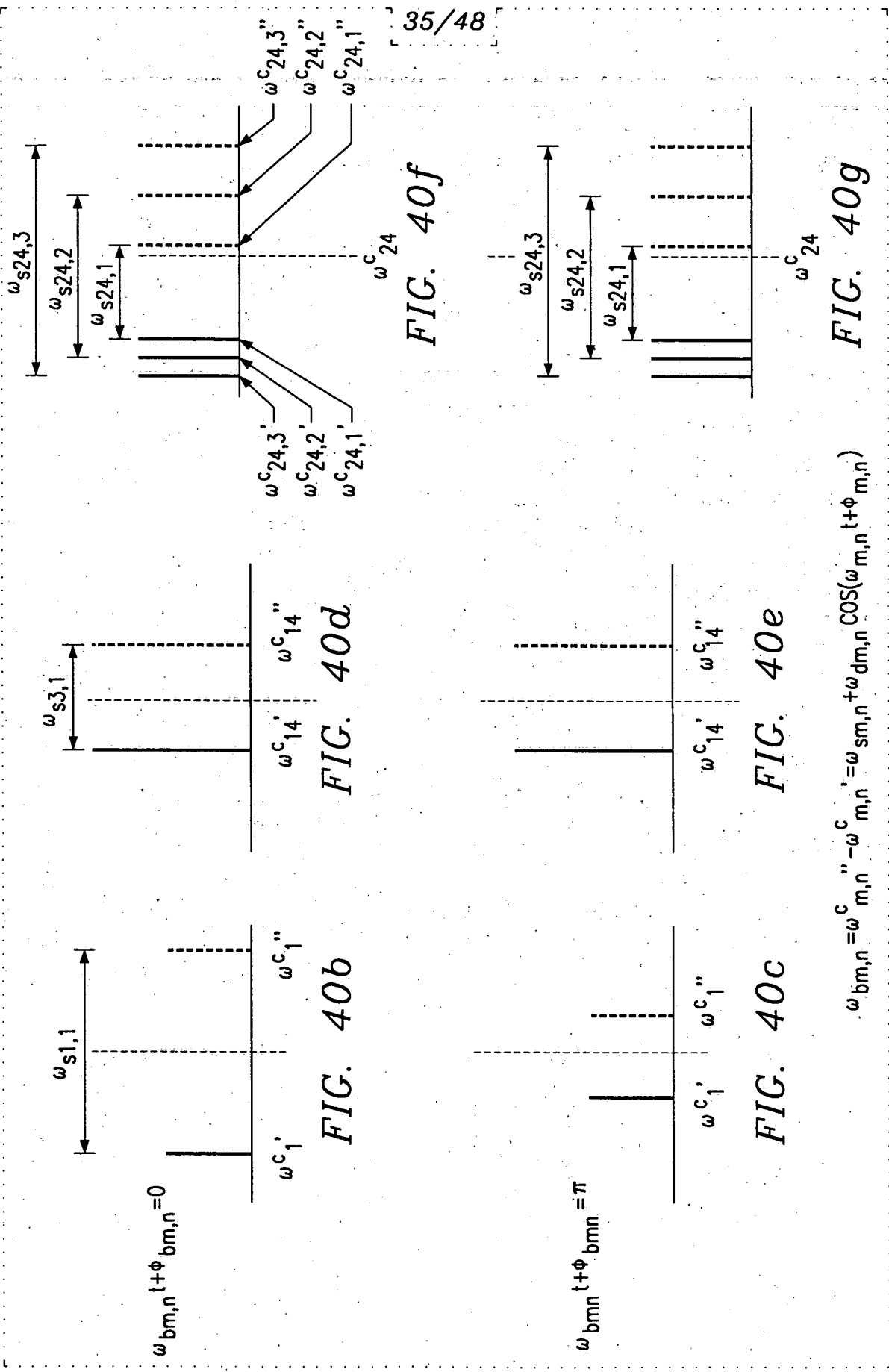


FIG. 39



$n_1=1$	$n_{14}=1$	$n_{24}=3$
$\omega_{d1,1} \neq 0$	$\omega_{d14,1} = 0$	$\omega_{d24} = \omega_{d24,1} = \omega_{d24,2} = \omega_{d24,3} = 0$

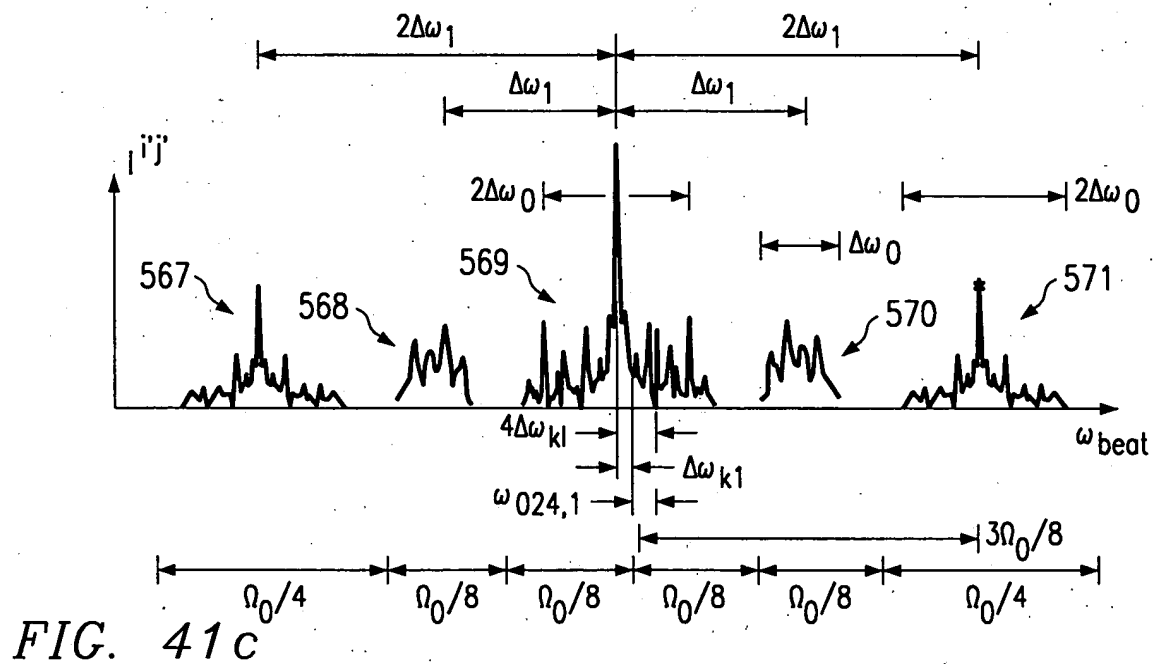
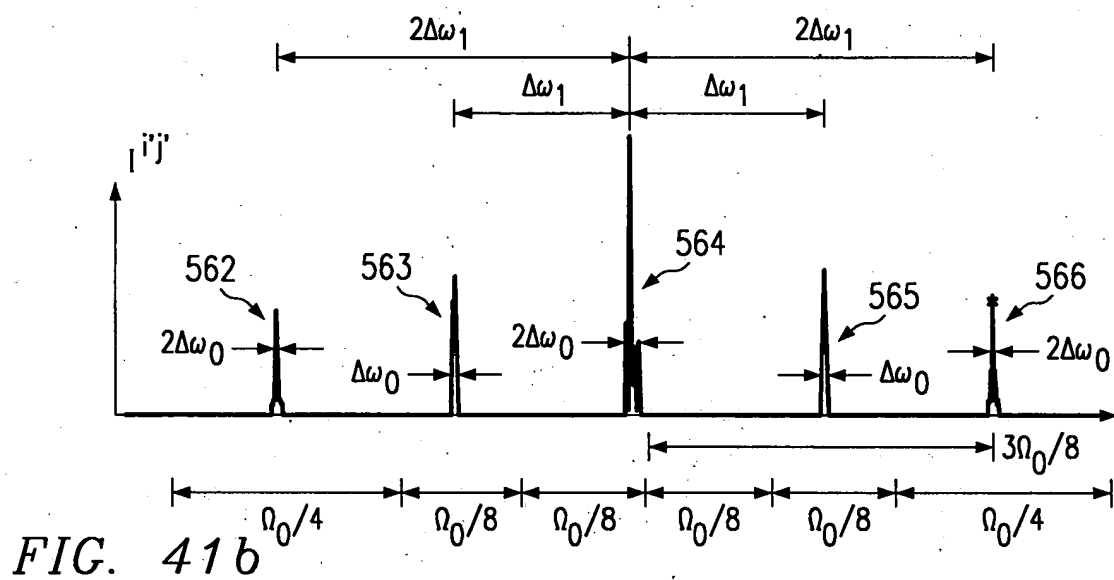
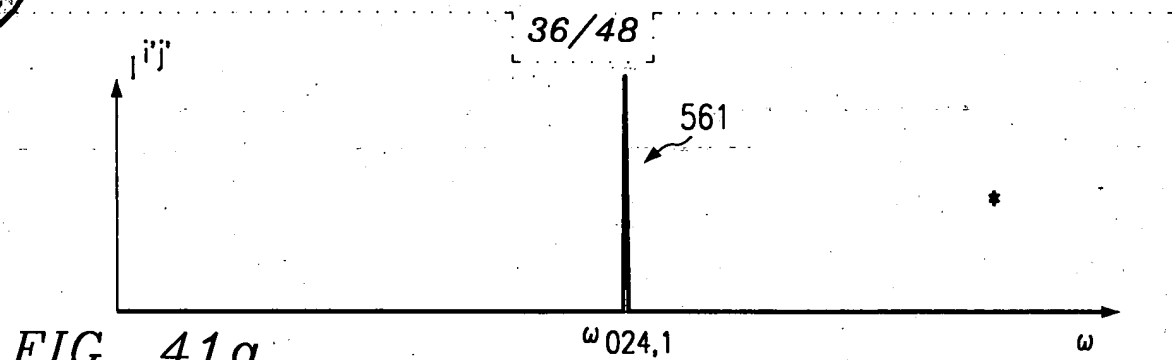
FIG. 40a



$$\omega_{bm,n} = \omega_{m,n}^{c''} - \omega_{m,n}^{c'} = \omega_{sm,n} + \omega_{dm,n} \cos(\omega_{m,n} t + \phi_{m,n})$$



ROS8009





ROS8009

37/48

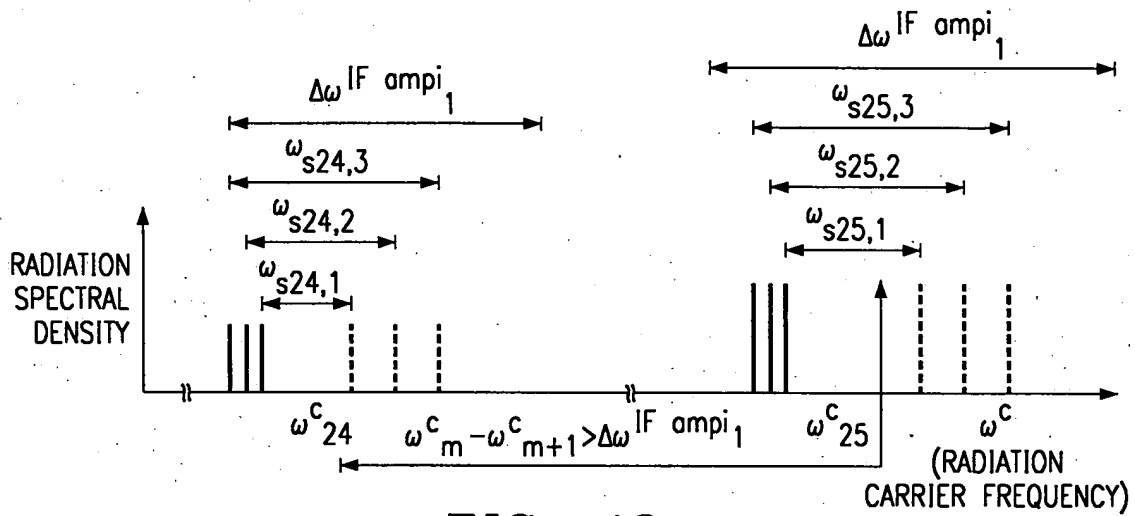


FIG. 42a

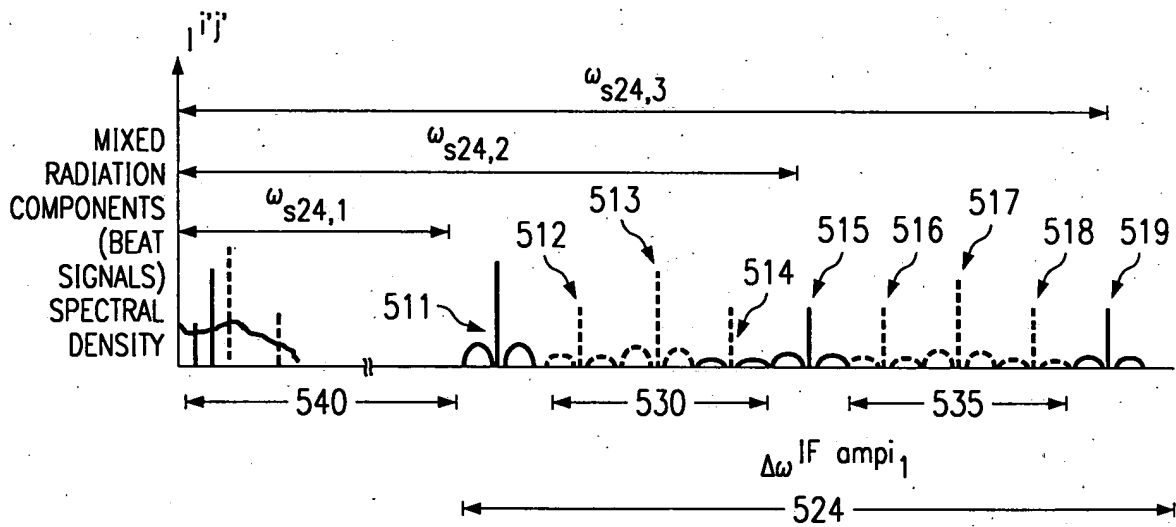
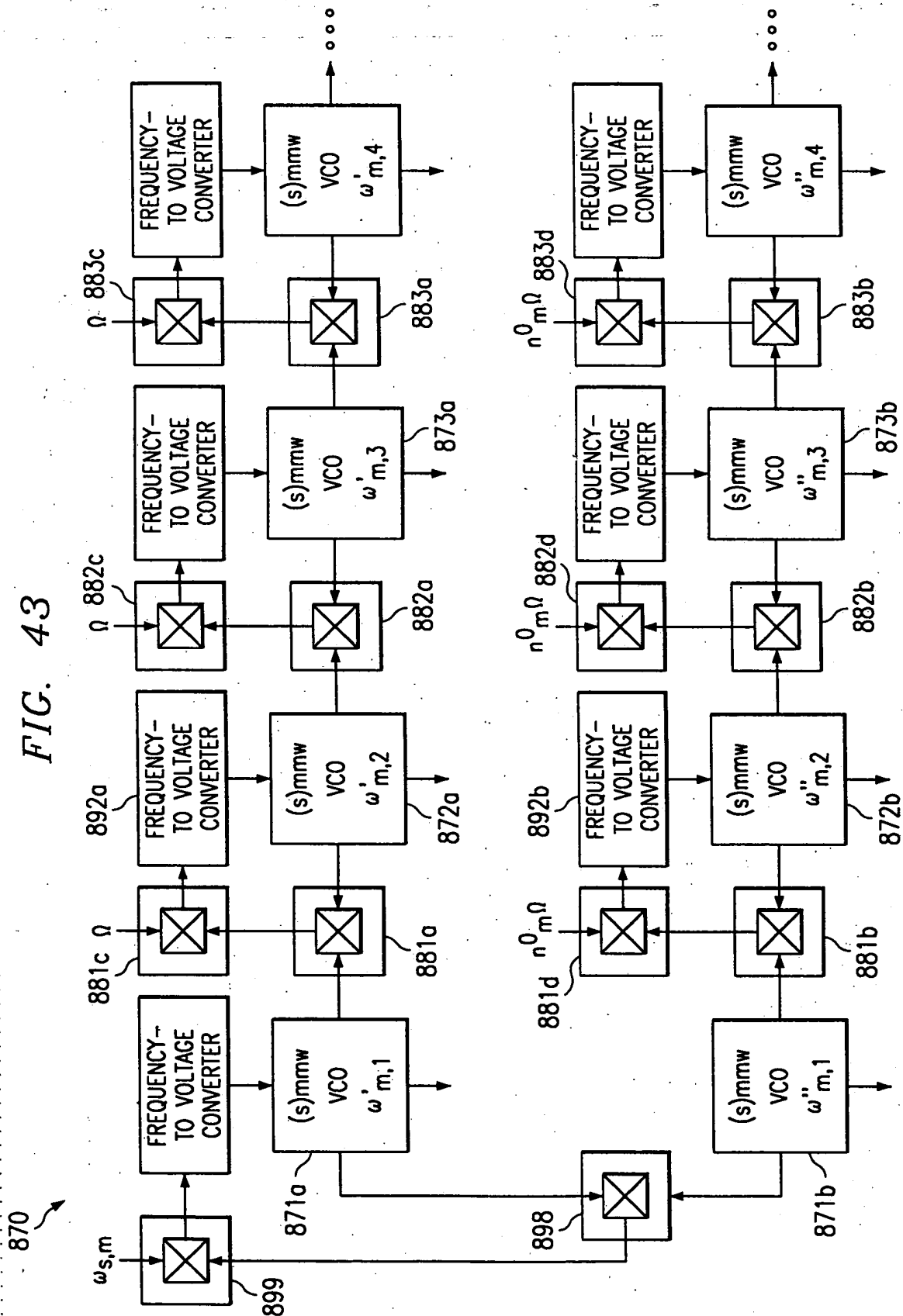
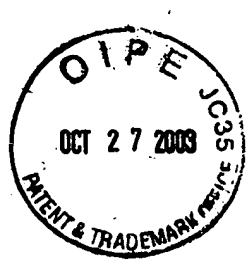


FIG. 42b

FIG. 43

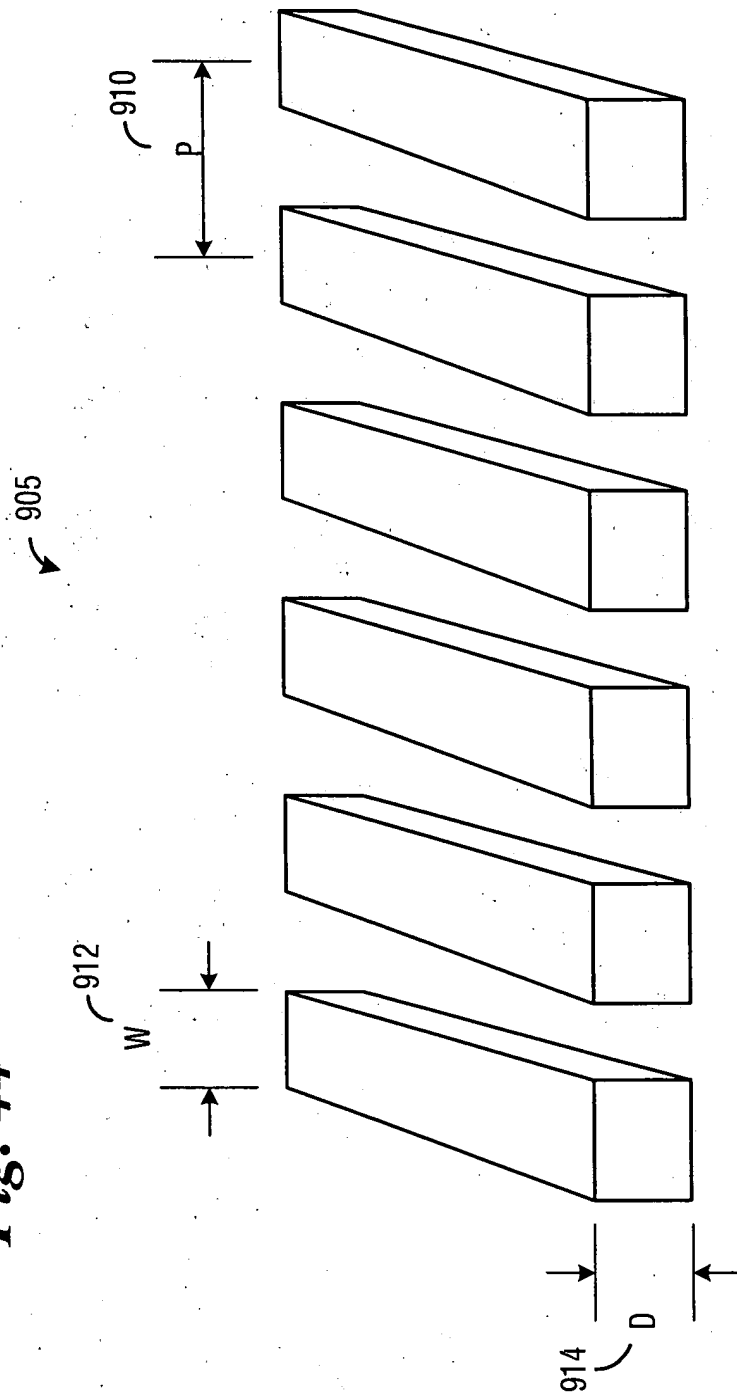




ROSE-8009

38.1 / 48

Fig. 44





ROS8009

39/48

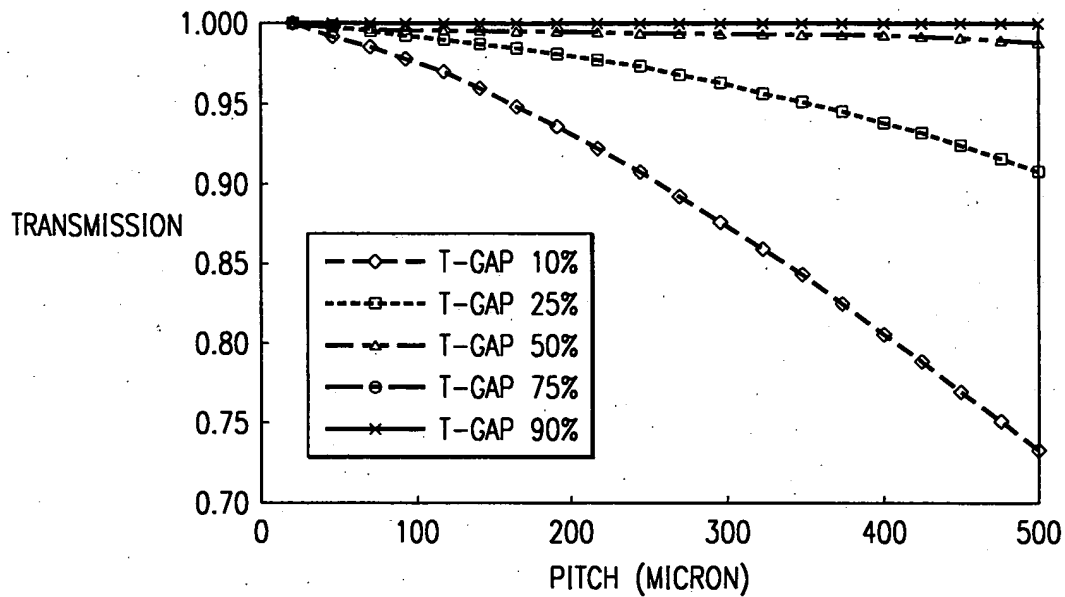


FIG. 45a

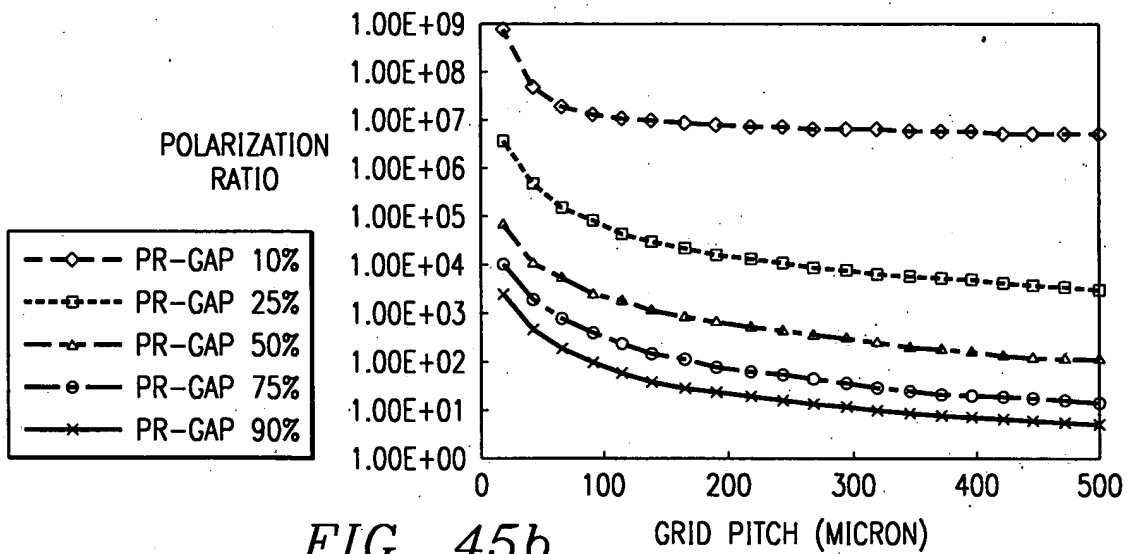


FIG. 45b

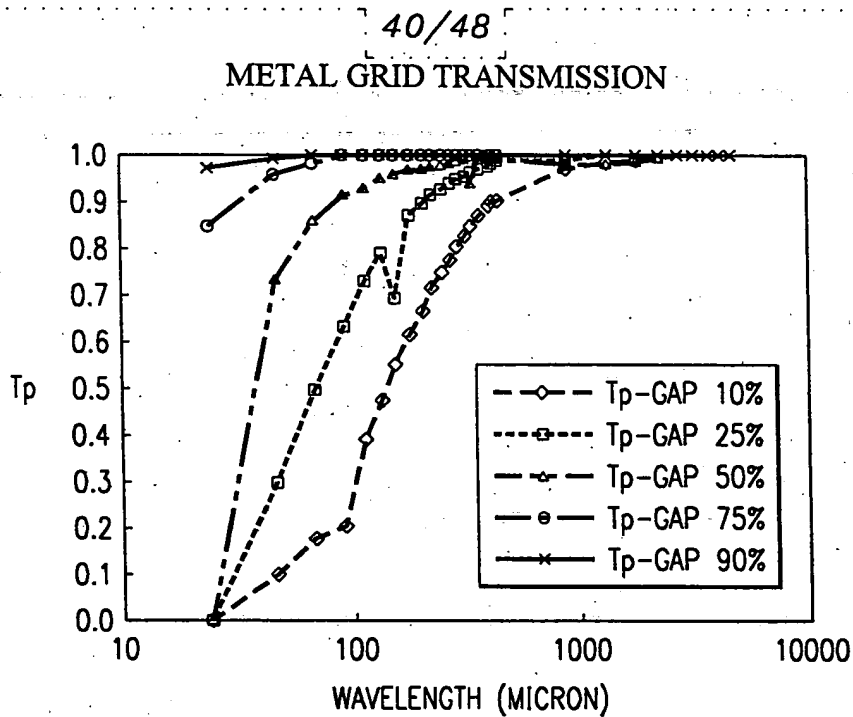


FIG. 46a

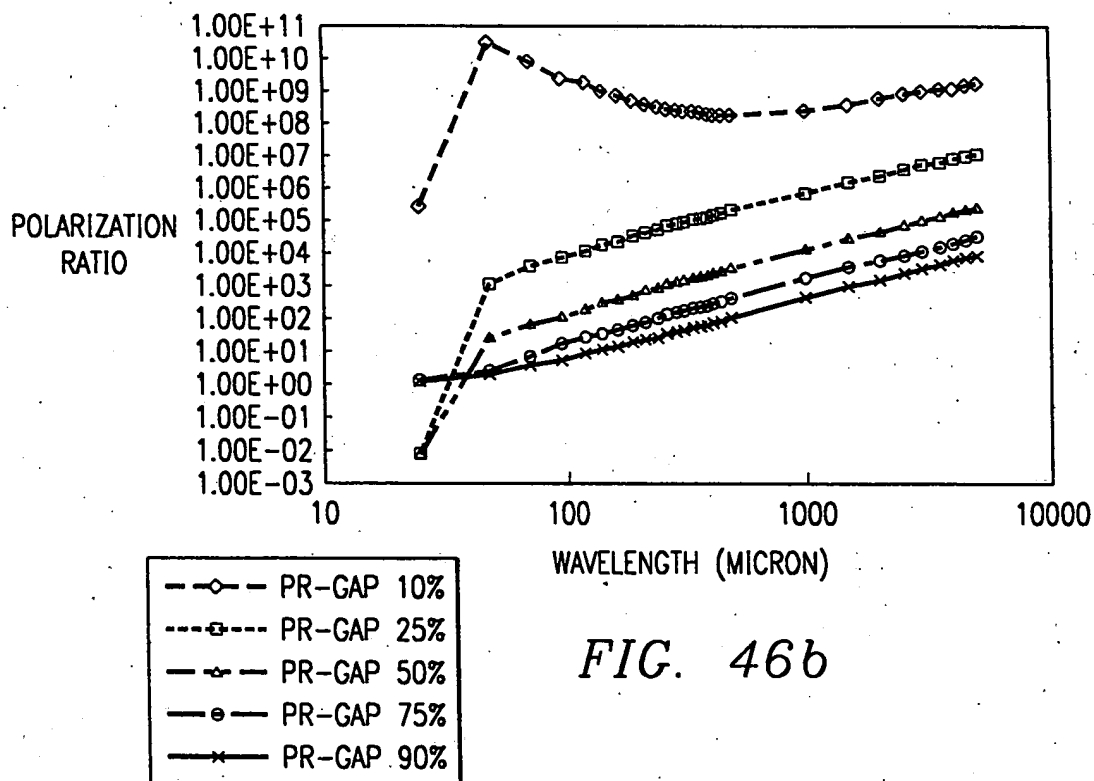


FIG. 46b

OCT 27 2003
PATENT & TRADEMARK OFFICE

ROS8009

REPLACEMENT SHEET

41/48

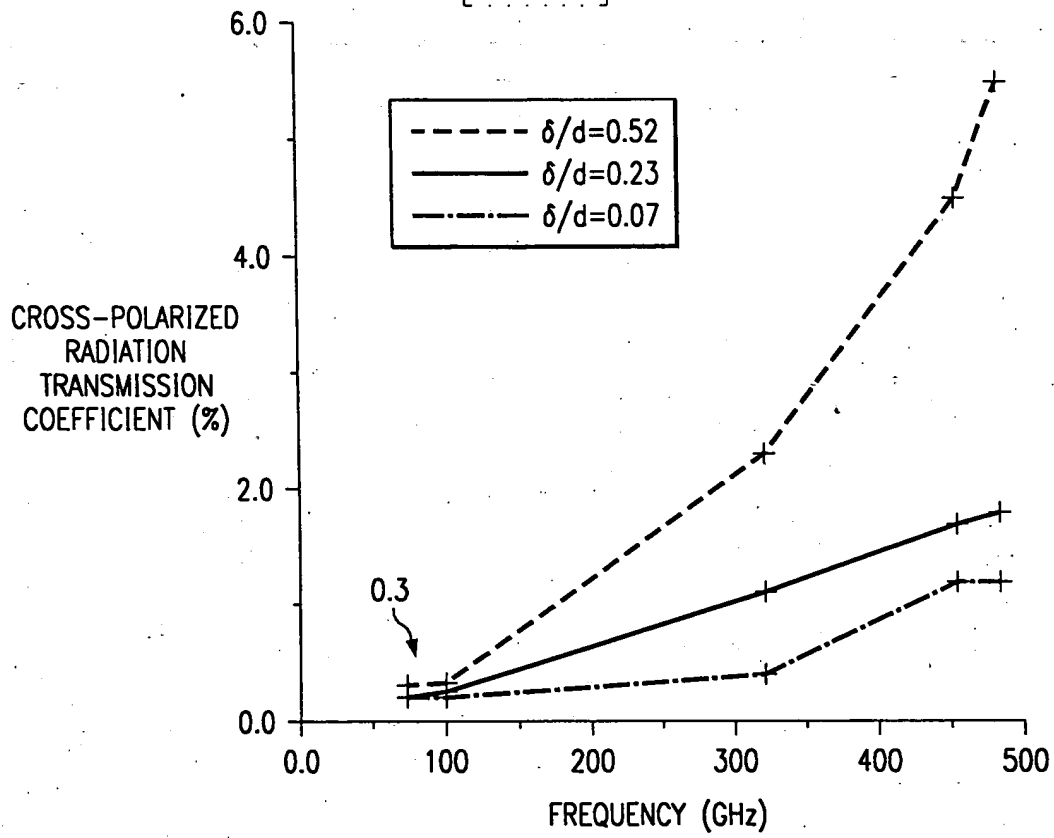


FIG. 47

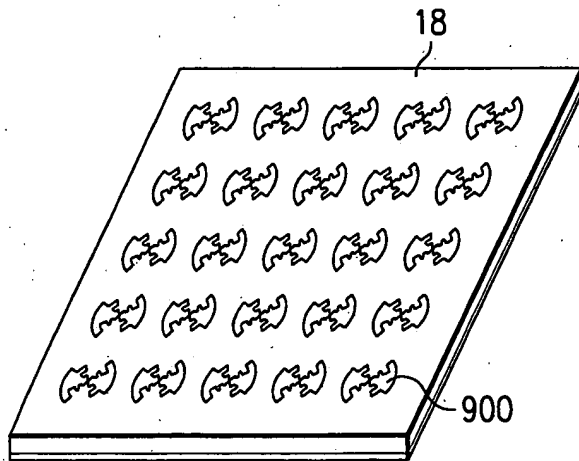


FIG. 48a

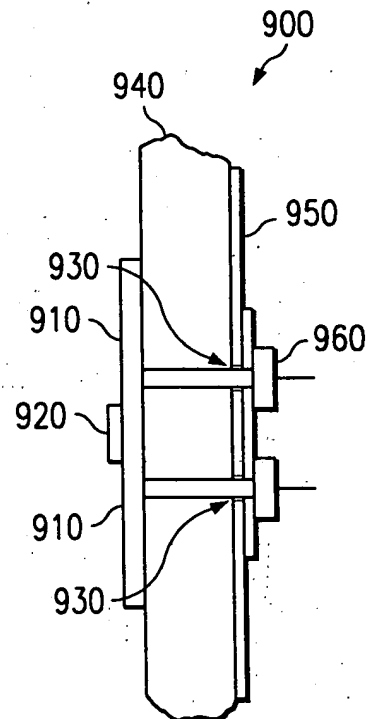


FIG. 48b

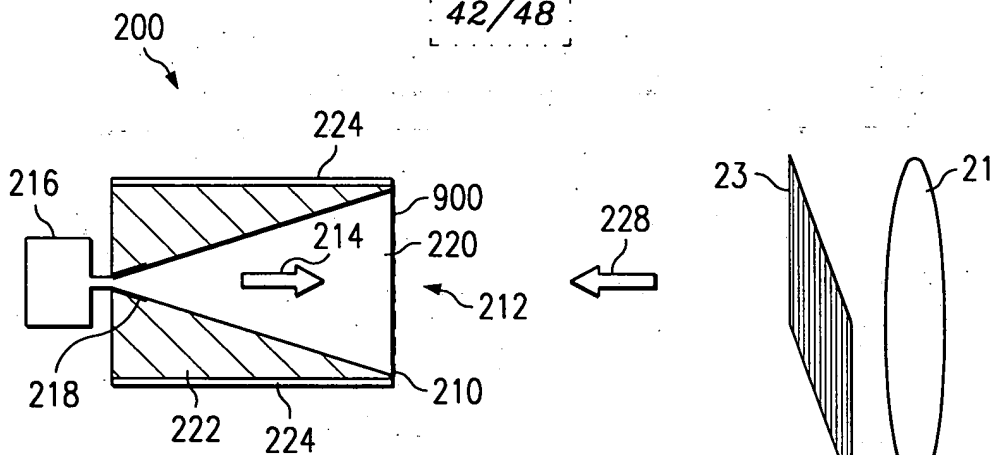


FIG. 49a

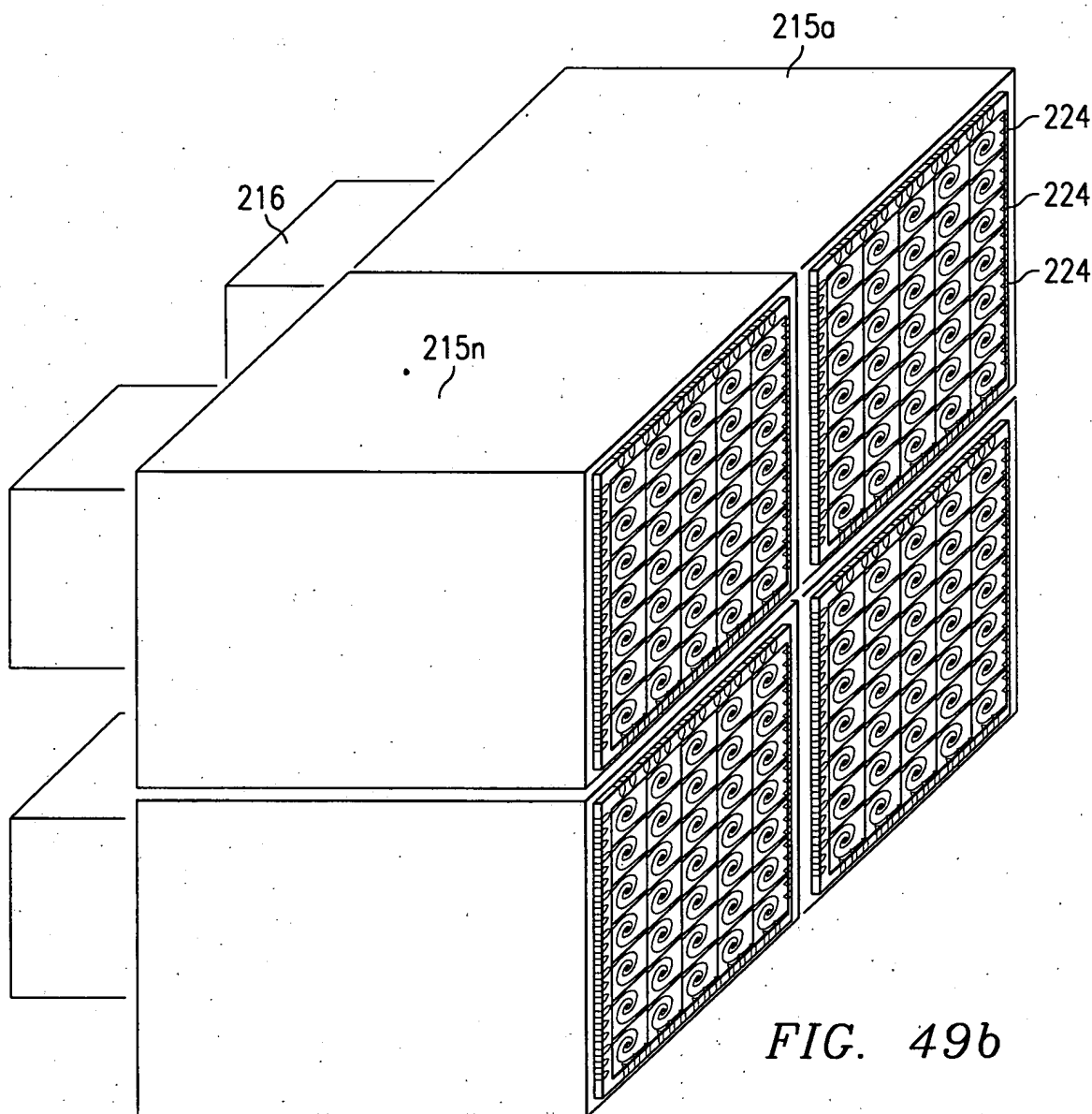
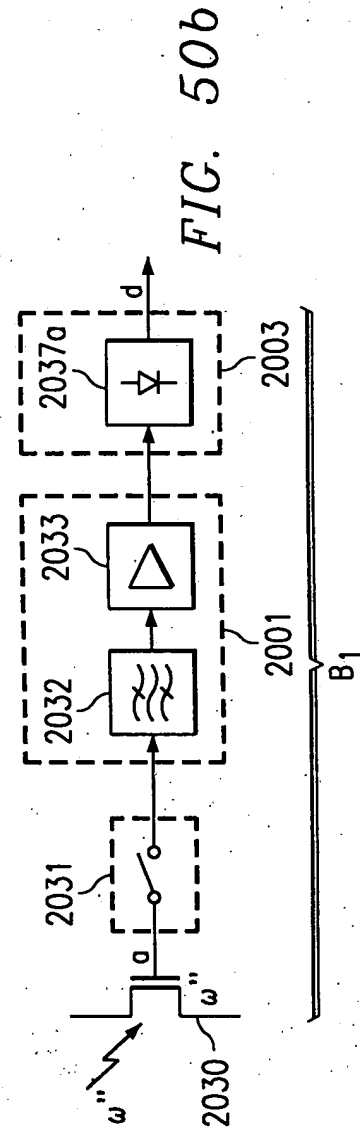
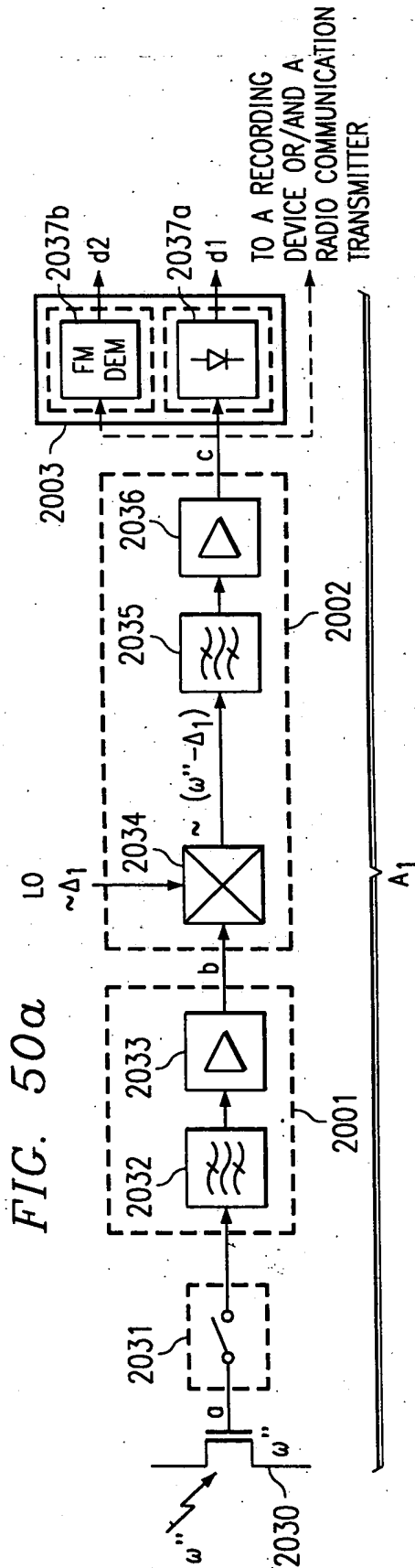
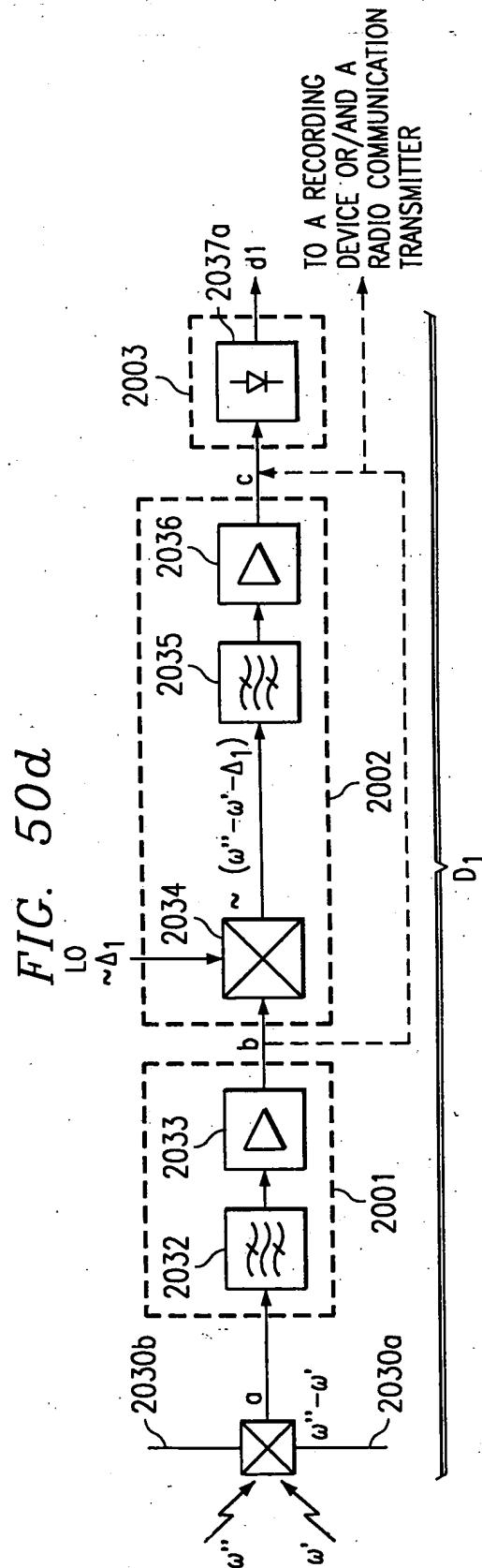
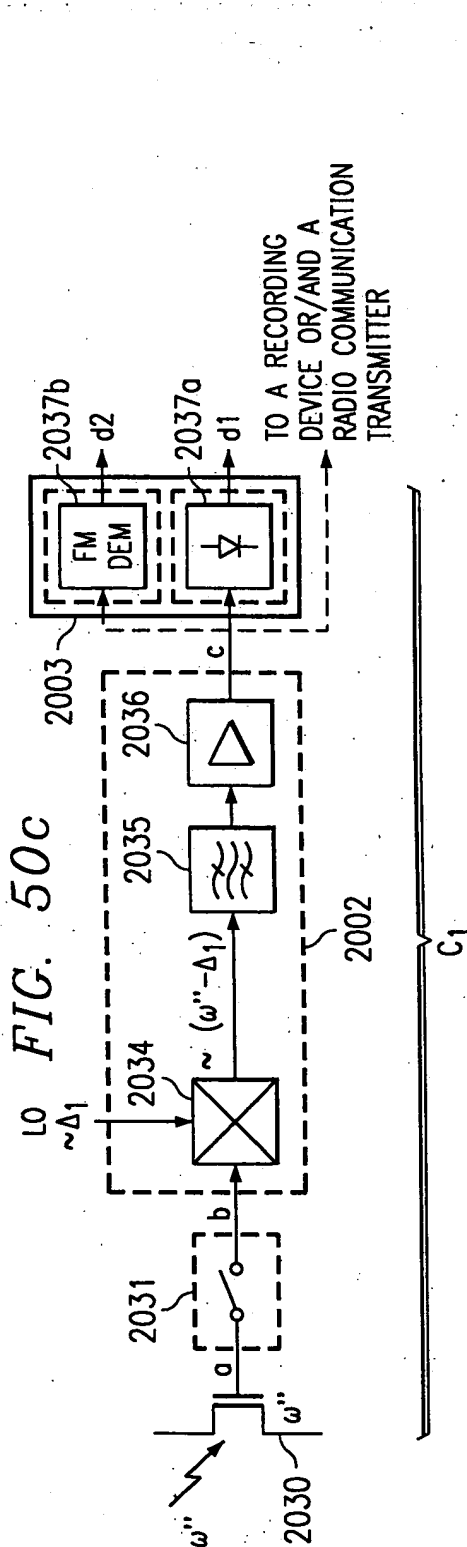


FIG. 49b

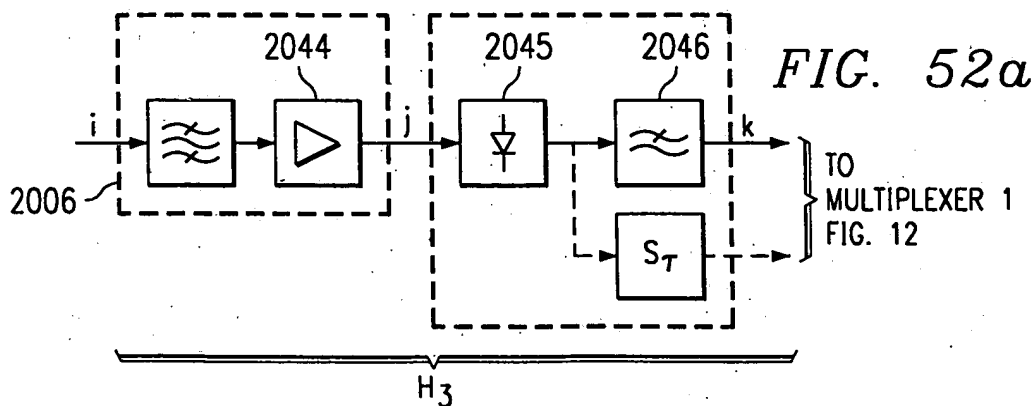
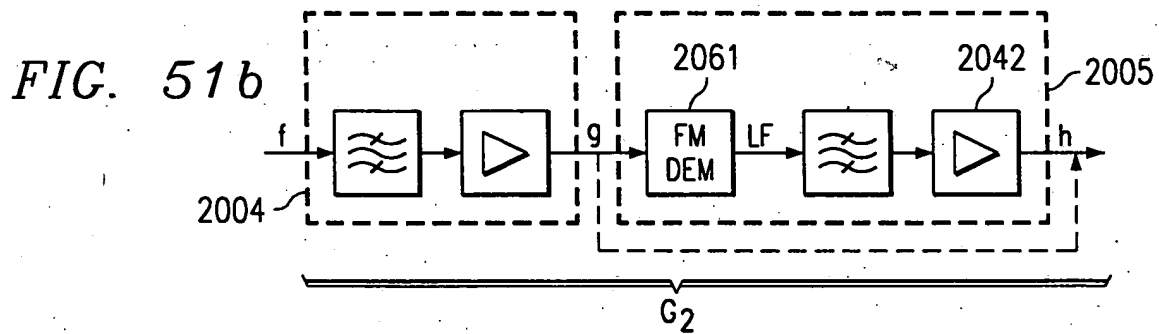
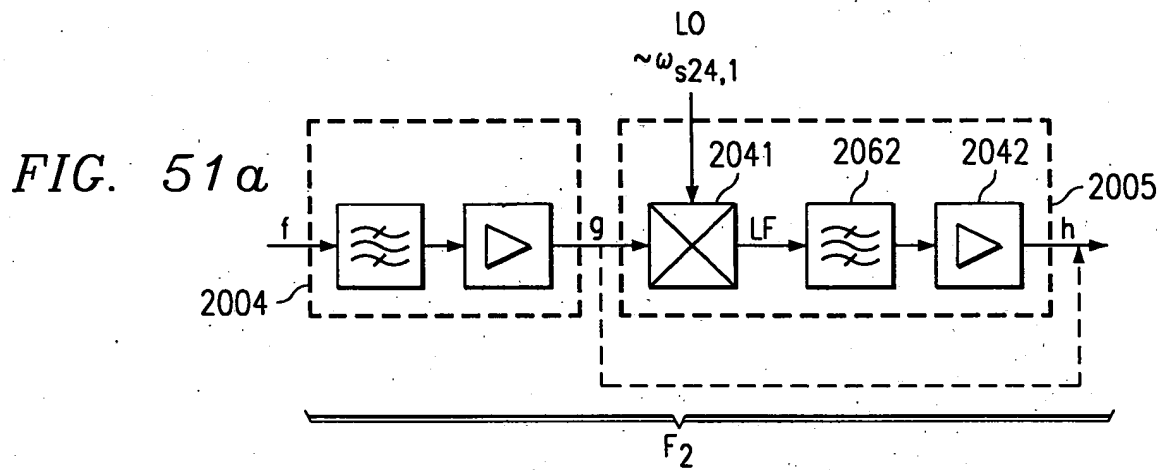
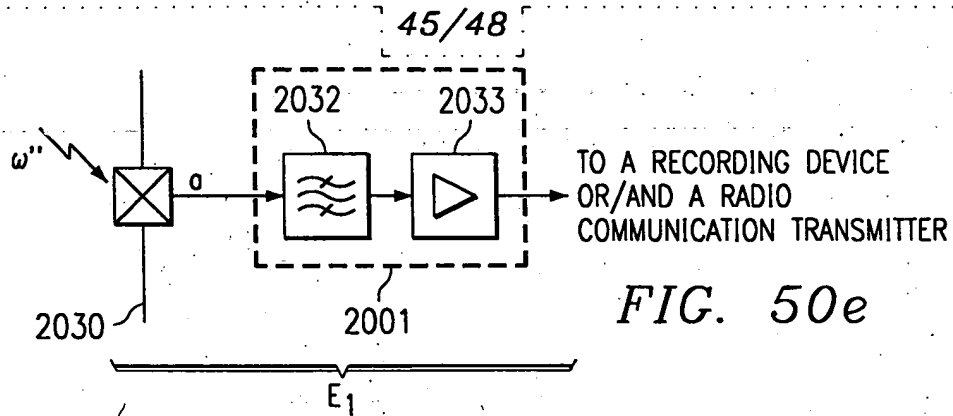






ROS8009

REPLACEMENT SHEET





[46/48]

FIG. 52b

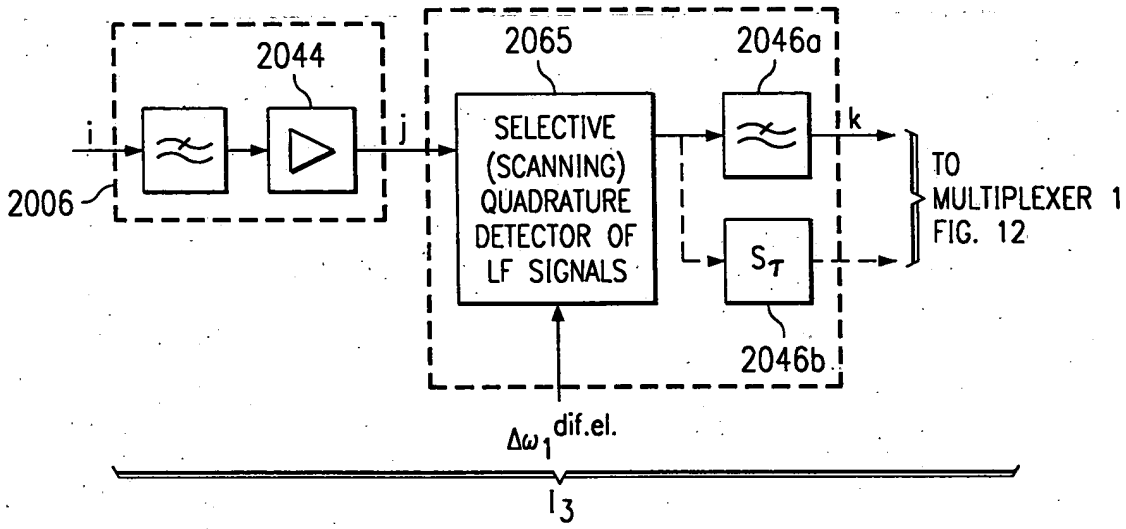


FIG. 52c

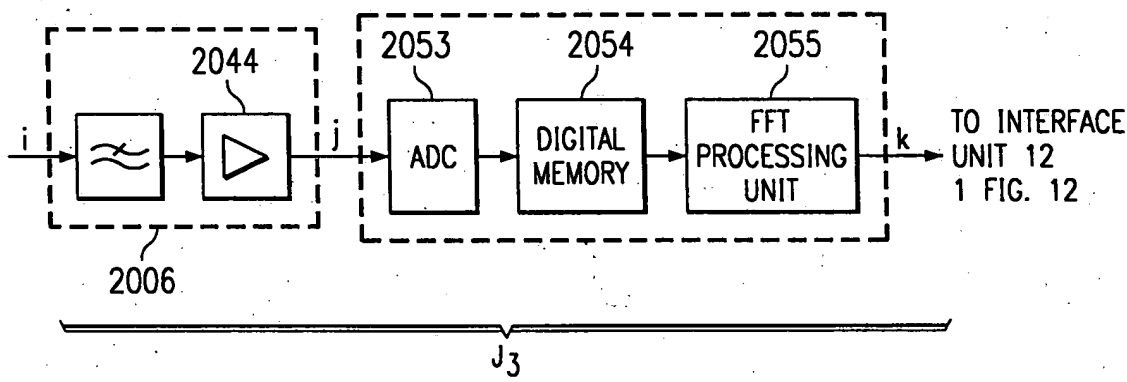


FIG. 53a

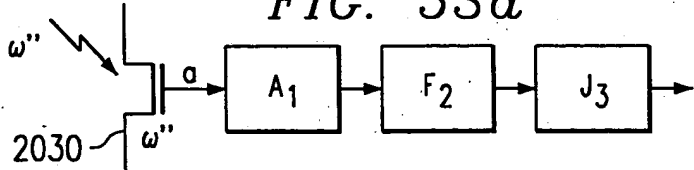
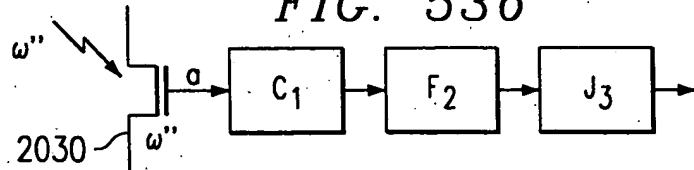


FIG. 53b



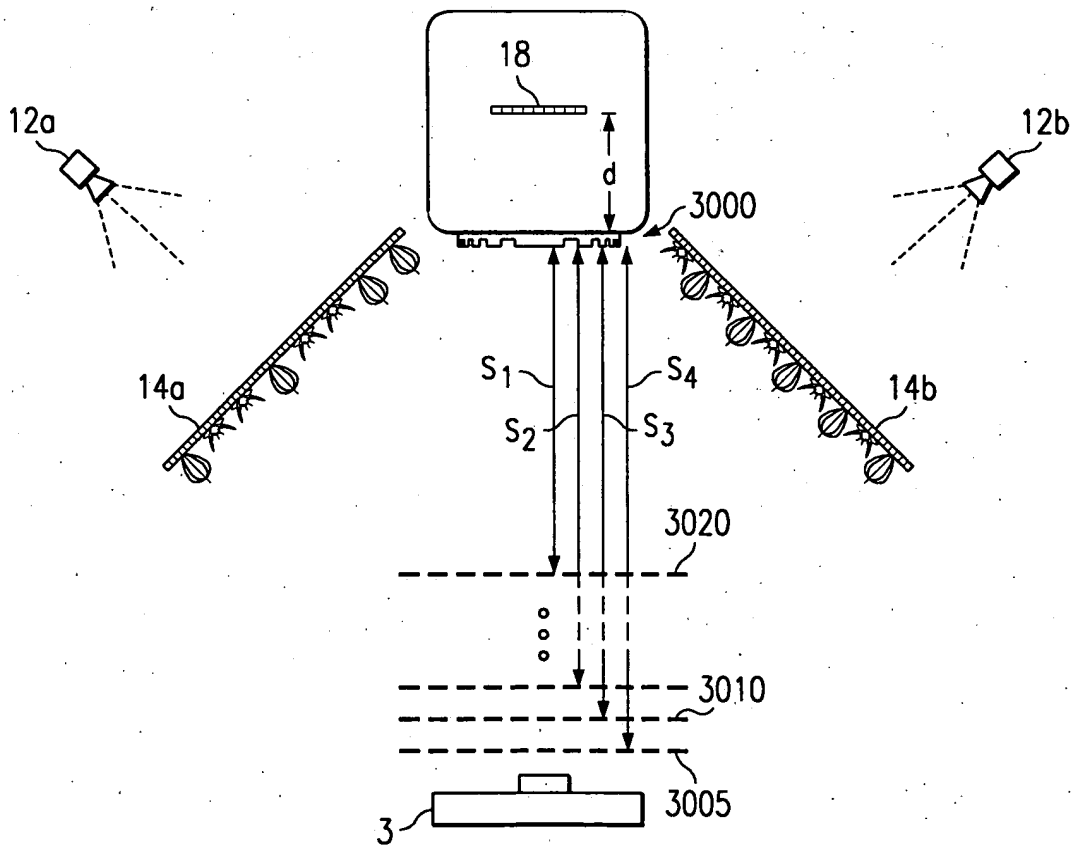
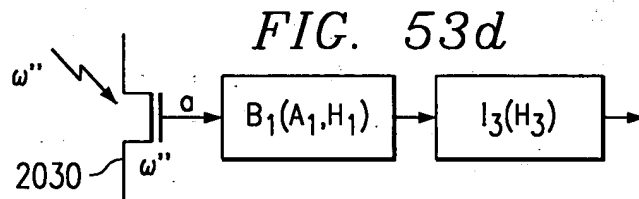
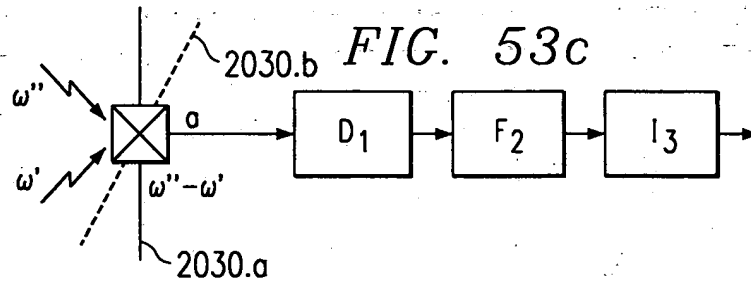


FIG. 54



ROS8009

48/48

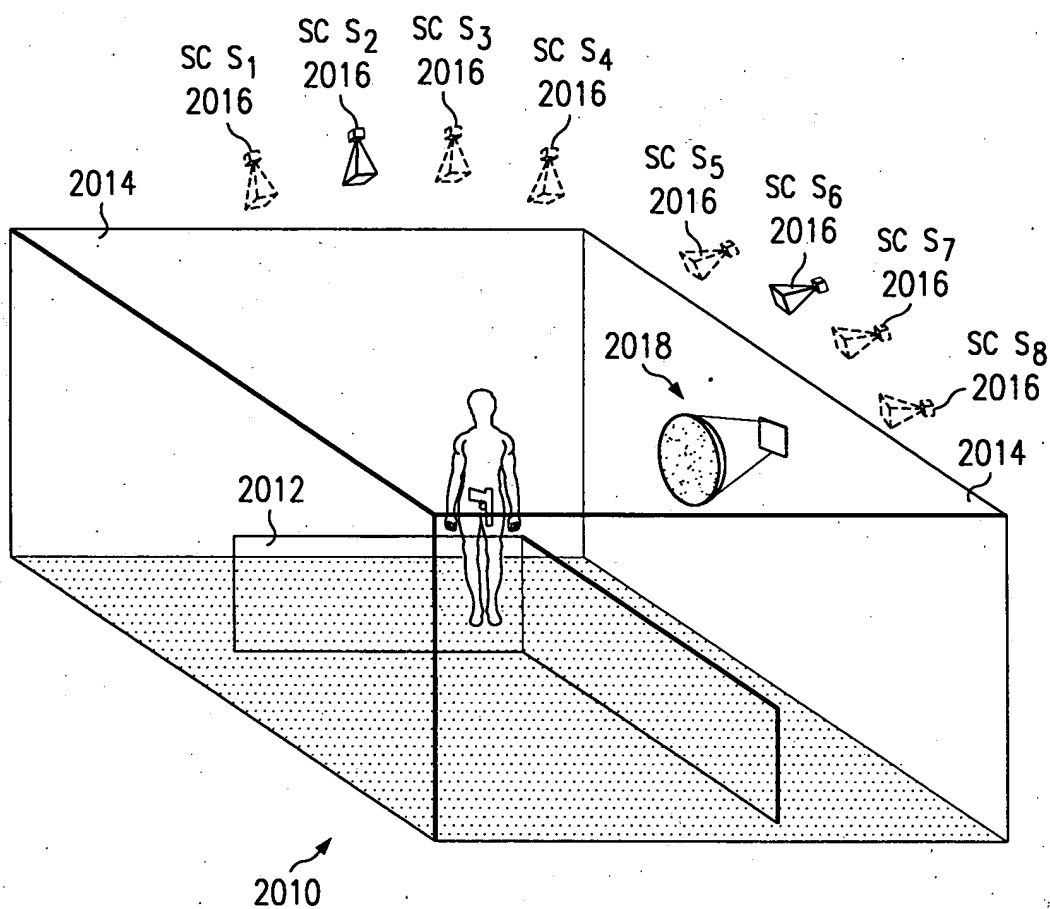


FIG. 55